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BULLETIN

OF THE

AMERICAN PHYSICAL SOCIETY

FOUNDED 1899

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CONSTITUTION AND BY-LAWS
ARTICLES OF INCORPORATION
AND
MEMBERSHIP LIST
FEBRUARY, 1941

PUBLISHED BY THE AMERICAN PHYSICAL SOCIETY
SEVEN ISSUES EACH YEAR

Constitution and By-Laws
Articles of Incorporation
and
Membership List
of the
American Physical Society
February, 1941

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BULLETIN

of the

AMERICAN PHYSICAL SOCIETY

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The American Physical Society

FOUNDED 1899

OFFICERS OF THE SOCIETY FOR 1941

President

GEORGE B. PEGRAM, Columbia University, New York, N. Y.

Vice-President

G. WALTER STEWART, The State University of Iowa, Iowa City, Iowa

Secretary

KARL K. DARROW, Bell Telephone Laboratories, New York, N. Y.
(Office at Columbia University)

Treasurer

GEORGE B. PEGRAM, Columbia University, New York, N. Y.

Editor

JOHN T. TATE, University of Minnesota, Minneapolis, Minn.

Local Secretary for the Pacific Coast

PAUL KIRKPATRICK, Stanford University, Stanford University, Calif.

COUNCIL

"The President, Vice-President, Secretary, Treasurer, Managing Editor, the three Past-Presidents most recently retired from office, eight elected members and all Past-Presidents first elected to the office of President prior to December 1932 constitute the Council which shall have general charge of the affairs of the Society."

Past-Presidents

HENRY CREW
W. F. MAGIE
ERNEST MERRITT
R. A. MILLIKAN
J. S. AMES
THEODORE LYMAN
D. C. MILLER
K. T. COMPTON
H. G. GALE
W. F. G. SWANN
L. J. BRIGGS
J. T. TATE
JOHN ZELENY

Elected Members

R. C. TOLMAN
E. U. CONDON
A. J. DEMPSTER
F. G. BRICKWEDDE
H. D. SMYTH
J. C. BOYCE
A. E. RUARK

PAST AND PRESENT OFFICERS OF

THE AMERICAN PHYSICAL SOCIETY

†Deceased

PRESIDENT

†Henry A. Rowland 1899–1900
†Albert A. Michelson 1901–1902
†Arthur G. Webster 1903–1904
†Carl Barus 1905–1906
†Edward L. Nichols 1907–1908
Henry Crew 1909–1910
W. F. Magie 1911–1912
†B. O. Peirce 1913
Ernest Merritt 1914–1915
R. A. Millikan 1916–1917
†H. A. Bumstead 1918
J. S. Ames 1919–1920
Theodore Lyman 1921–1922
†C. E. Mendenhall 1923–1924
Dayton C. Miller 1925–1926
Karl T. Compton 1927–1928
Henry G. Gale 1929–1930
W. F. G. Swann 1931–1932
P. D. Foote 1933
Arthur H. Compton 1934
R. W. Wood 1935
†F. K. Richtmyer 1936
H. M. Randall 1937
Lyman J. Briggs 1938
John T. Tate 1939
John Zeleny 1940
George B. Pegram 1941

VICE-PRESIDENT

†Albert A. Michelson 1899–1900
†Arthur G. Webster 1901–1902
†Elihu Thomson 1903–1904
†D. B. Brace 1905
†E. L. Nichols 1906
Henry Crew 1907–1908
W. F. Magie 1909–1910
†B. O. Peirce 1911–1912
Ernest Merritt 1913
†K. E. Guthe 1914–1915
†H. A. Bumstead 1916–1917
J. S. Ames 1918
†W. C. Sabine 1919
Theodore Lyman 1919–1920
†C. E. Mendenhall 1921–1922
Dayton C. Miller 1923–1924
Karl T. Compton 1925–1926
Henry G. Gale 1927–1928
W. F. G. Swann 1929–1930
P. D. Foote 1931–1932
Arthur H. Compton 1933
R. W. Wood 1934
†F. K. Richtmyer 1935
H. M. Randall 1936
Lyman J. Briggs 1937
John T. Tate 1938
John Zeleny 1939
George B. Pegram 1940
G. W. Stewart 1941

SECRETARY

Ernest Merritt 1899–1912
†A. D. Cole 1913–1917
Dayton C. Miller 1918–1922
Harold W. Webb 1923–1928
W. L. Severinghaus 1929–1940
Karl K. Darrow 1941–

TREASURER

†William Hallock 1899–1907
J. S. Ames 1907–1917
George B. Pegram 1918–

ELECTED MEMBERS OF THE COUNCIL

†H. S. Carhart, †M. I. Pupin 1899–1900
W. F. Magie 1899–1901, 1902–1906
†A. G. Webster 1899–1901, 1905–1908
†C. S. Hastings 1899–1902
J. S. Ames 1899–1903, 1905–1908
†E. L. Nichols 1899–1903
†A. L. Kimball 1901–1902
H. Crew, †E. B. Rosa 1901–1904
†C. Barus, †D. B. Brace 1902–1904
†E. H. Hall, †B. O. Peirce 1903–1906
†W. S. Franklin, †E. Rutherford 1904–1907
†E. P. Lewis, †F. E. Nipher 1905
R. A. Millikan, †A. Trowbridge 1906–1909
†H. A. Bumstead, †C. E. Mendenhall 1907–1910
†W. C. Sabine, †S. W. Stratton 1908–1911

†J. C. McLennan, †E. F. Nichols 1909–1912
†K. E. Guthe, C. A. Skinner 1910–1913
R. A. Millikan, J. Zeleny 1911–1914
†H. A. Bumstead, T. Lyman 1912–1915
H. T. Barnes, W. J. Humphreys 1913–1916
†G. K. Burgess, D. C. Miller 1914–1917
†C. E. Mendenhall, G. W. Stewart 1915–1918
I. Langmuir 1916–1919
G. B. Pegram 1916–1918
†G. O. Squier, H. A. Wilson 1917–1920
A. L. Day, G. F. Hull 1918–1921
Max Mason 1919
†G. K. Burgess, †J. C. McLennan 1919–1922
F. B. Jewett, Max Mason 1920–1923
K. T. Compton, H. M. Randall 1921–1924
H. G. Gale, D. L. Webster 1922–1925
F. C. Brown, A. L. Hughes 1923–1926
A. S. Eve, A. W. Hull 1924–1927
F. C. Blake, W. F. G. Swann 1925–1928
A. H. Compton 1926–1929
†E. P. Lewis 1926
Raymond T. Birge 1927–1929
Paul D. Foote, G. W. Stewart 1927–1930
L. J. Briggs, H. L. Bronson 1928–1931
H. E. Ives, A. L. Loomis 1929–1932
L. W. McKeehan, D. L. Webster 1930–1933
W. D. Coolidge, F. W. Loomis 1931–1934
F. L. Mohler, J. H. Van Vleck 1932–1935
L. O. Grondahl, E. C. Kemble 1933–1936
E. O. Lawrence 1934–1937
†F. K. Richtmyer 1934–1936
G. Breit, K. K. Darrow 1935–1938
H. L. Dodge 1936
J. W. Beams, E. C. Crittenden 1936–1939
H. A. Erikson 1937
M. J. Kelly, J. C. Slater 1937–1940
G. W. Stewart, R. C. Tolman 1938–1941
E. U. Condon, A. J. Dempster 1939–1942
F. G. Brickwedde, H. D. Smyth 1940–1943
J. C. Boyce, A. E. Ruark 1941–1944

MANAGING EDITOR

Frederick Bedell 1913–1922
G. S. Fulcher 1923–1925
John T. Tate 1926–

BOARD OF EDITORS

J. S. Ames, †B. O. Peirce, John Zeleny 1913
†K. E. Guthe, W. F. Magie, C. A. Skinner 1913–1914
†J. C. McLennan, R. A. Millikan, †E. F. Nichols 1913–1915
†H. A. Bumstead, †C. E. Mendenhall, †A. G. Webster, J. S. Ames, Edgar Buckingham, †A. A. Michelson 1914–1916; 1915–1917
†E. P. Lewis, †W. C. Sabine, †A. Trowbridge 1916–1918
N. E. Dorsey, †Wm. Duane, O. M. Stewart 1917–1919
†G. K. Burgess, †A. D. Cole, A. C. Lunn 1918–1920
Henry Crew, L. V. King, H. S. Uhler 1919–1921
E. L. Nichols, C. M. Sparrow, W. F. G. Swann 1920–1922
G. S. Fulcher 1921–1922
F. A. Saunders, O. M. Stewart 1921–1923
E. P. Adams, A. J. Dempster, A. L. Hughes 1922–1924

A. H. Compton
E. H. Kennard
Leigh Page 1923–1925

H. D. Babcock
W. G. Cady 1924–1926

John T. Tate 1924–1925

K. K. Darrow
E. C. Kemble
F. L. Mohler 1925–1927

J. A. Gray
G. E. M. Jauncey
J. H. Van Vleck 1926–1928

L. W. McKeehan 1926

G. Breit
P. W. Bridgman
L. W. McKeehan 1927–1929

R. S. Mulliken
H. D. Smyth
I. S. Bowen 1928–1930

E. U. Condon
C. J. Davisson
†F. K. Richtmyer 1929–1931

F. W. Loomis
K. F. Herzfeld
A. W. Hull 1930–1932

A. J. Dempster
D. M. Dennison
J. C. Slater
R. C. Gibbs
E. O. Lawrence
J. H. Van Vleck 1931–1933

K. K. Darrow
J. C. Hubbard
A. E. Ruark 1932–1934

K. K. Darrow
J. C. Hubbard
A. E. Ruark 1933–1935

Alexander Ellett
L. A. Turner 1934–1936

G. E. Uhlenbeck 1934–1935

H. B. Wahlin 1936

W. V. Houston
R. S. Mulliken
I. I. Rabi 1935–1937

H. A. Bethe
L. A. DuBridge
M. A. Tuve 1936–1938

K. T. Bainbridge
H. P. Robertson
H. B. Wahlin 1937–1939

A. L. Hughes
F. A. Jenkins
T. H. Johnson 1938–1940

Walker Bleakney
Gregory Breit
D. M. Dennison 1939–1941

S. K. Allison
P. M. Morse
J. A. Wheeler 1940–1942

A. C. G. Mitchell
I. I. Rabi
G. E. Uhlenbeck 1941–1943

CONSTITUTION

ARTICLE I—Name

This Society shall be called The American Physical Society.

ARTICLE II—Object

The object of the Society shall be the advancement and diffusion of the knowledge of physics.

ARTICLE III—Fellowship and Membership

1. The membership of the Society shall consist of Fellows, Members, and Honorary Members.

2. There shall be elected to Fellowship only such persons as have contributed to the advancement of physics by independent, original research, or have rendered some other special service to the cause of the science which is considered equivalent to such investigations. The fulfilment of these qualifications shall normally be determined by an examination of the published works of the candidate, but the Council is empowered to make use of other criteria.

3. There may be elected to Membership persons of any of the following classes: (a) graduate students specializing in physics; (b) teachers of physics in colleges and secondary schools who have not yet completed investigations which warrant election to Fellowship; (c) other physicists whose work of investigation is not sufficient for qualification as Fellows; (d) persons engaged in lines of work related to physics, such as mathematics, astronomy, etc.; (e) persons who are not professionally engaged either in physics or related lines, but whose interest and activity in the science would make them desirable Members. Members have all the privileges of Fellows except that they may not vote or hold office.

4. Honorary Members shall be persons of acknowledged preeminence in the science of physics. American physicists shall not be eligible to Honorary Membership. Honorary Members shall have all the privileges of Fellows, except that they may not vote or hold office; they shall be exempt from all dues and assessments.

5. In the official usage of the Society the capitalized words 'Member,' 'Membership,' 'Fellow,' 'Fellowship,' shall refer to the two classes of members distinctively while 'member' and 'membership' shall be taken to refer to Members and Fellows without distinction.

ARTICLE IV—Election of Fellows and Members

1. For the election of a new Fellow or Member of the Society, or for the transfer of a Member to Fellowship, a nomination in due form, signed by two Fellows or Members of the Society, shall be presented at a meeting of the Council and at a meeting of the Council occurring at least two weeks later the person named in such nomination shall receive the favorable ballots of a majority of the Councilors present. The Council may, however, at its discretion make election to Membership at the same meeting at which the nomination is presented.

2. A nomination for Honorary Membership shall be made by vote of the Council at a regular meeting of the Society, or by a petition in due form signed by not less than five members of the Council and submitted to the Secretary. A nomination so presented shall be submitted by the Secretary to letter ballot of all the members of the Council. For election to Honorary Membership the nominee shall receive the favorable votes of not less than three-fourths of the entire membership of the Council.

ARTICLE V—Officers

The officers of the Society shall be a President, a Vice-President, a Secretary, a Treasurer, a Managing Editor, and additional members of a Council and a Board of Editors as hereinafter specified.

ARTICLE VI—Council and Board of Editors

1. The President, Vice-President, Secretary, Treasurer. Managing Editor, the three Past-Presidents most recently retired from office, eight other members elected in the manner specified in Article VII, and all Past-Presidents first elected to the office of President prior to December 1932 shall constitute a Council which shall have general charge of the affairs of the Society.

2. The Managing Editor and such other elected and appointed members as the Council may from time to time designate shall constitute the Board of Editors, and shall have charge, as designated by the Council, of the several publications of the Society. Not fewer than ten members of the Board of Editors, including the Managing Editor, shall be elected in the manner specified in Article VII.

ARTICLE VII.—Election and Tenure of Officers

1. The officers of the Society shall be elected by letter ballot. At least eight weeks before the Annual Meeting the Secretary shall send to each Fellow of the Society a request for nominations, specifying the offices which are to be filled. The official ballot-form shall contain the names of one or more candidates nominated by the Council for each office to be filled, and the name of any and each other candidate nominated for any office by Fellows of the Society numbering at least one-twentieth of the total number of Fellows given in the latest printed membership list of the Society, and also blank spaces in which the voter may write other names. The Council may nominate the same persons as are nominated by the second procedure aforesaid. A copy of the official ballot shall be mailed to each Fellow not less than three weeks before the Annual Meeting. No ballot shall be counted unless marked by a qualified voter to indicate his choices, returned to the Secretary in a sealed envelope bearing the voter's name, and received by the Secretary not less than five days before the Annual Meeting. A majority of all the ballots cast conforming to these rules shall be necessary

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for election. The ballots shall be counted by tellers appointed by the President, and the results shall be announced at the Annual Meeting. In case of failure to secure a majority for any office, the Fellows present at the Annual Meeting shall choose by ballot one of the two candidates having the highest number of votes for that office.

2. All terms of office of elected officers shall begin at the close of the Annual Meeting at which the election is announced, and shall continue in the cases of the President, the Vice-President, the Secretary and the Treasurer until the close of the Annual Meeting next following; in the cases of the Managing Editor and other members of the Board of Editors, until the close of the third Annual Meeting following; in the cases of the remaining elected members of the Council, until the close of the fourth Annual Meeting following.

3. No officer of the Society except the Secretary, the Treasurer and the Managing Editor shall be eligible for election to the same office for two consecutive terms.

4. Should any officer fail to enter upon his office after election, the previous incumbent shall continue in office until the next meeting of the Council, whereupon the Council shall appoint a Fellow to fill the office until the close of the next Annual Meeting. Should any officer vacate his office during his term, the Council at its next regular meeting (unless such be an Annual Meeting) shall appoint a Fellow to fill the office until the close of the next Annual Meeting. If the term of the officer originally elected extends past the Annual Meeting at which the aforesaid appointment lapses, a candidate or candidates for the unexpired portion of the term shall be nominated in the regular manner for the elections immediately preceding that Annual Meeting.

ARTICLE VIII—Sections

1. Members and Fellows residing in any region may, with the approval of the Council, organize a local Section for the more active furtherance of the object of the Society as stated in Article II.

2. Any local Section of the Society may be dissolved at the discretion of the Council.

ARTICLE IX—Divisions

1. The Council may, upon petition by members of the Society, form a Division within the Society charged with the advancement and diffusion of the knowledge of a specified subject or subjects in physics.

2. Each Division shall elect an Executive Committee the Chairman of which shall report its activities and needs to the Council.

3. Any Division may be dissolved at the discretion of the Council.

ARTICLE X—Amendments

No part of this Constitution shall be amended or annulled except by formal proposal of an amendment, followed by opportunity for discussion at an Annual Meeting and by a letter ballot. Proposal of an amendment may be made by the Council, or by a petition to the President signed by Fellows of the Society numbering at least one-twentieth of the total number of Fellows given in the latest printed membership list of the Society. The Secretary shall distribute copies of the proposed Amendment to all Fellows of the Society not less than three weeks before an Annual Meeting, and opportunity shall be given for discussion in the meeting. Not more than eight weeks after this meeting, the Secretary shall again distribute copies of the Amendment accompanied by ballot forms. An Amendment proposed by petition shall be submitted in the original form; but an Amendment proposed by the Council may, in the discretion of the Council, be submitted with modifications made in the light of discussion at the Annual Meeting. No ballot shall be counted unless marked by a qualified voter to indicate his choice, returned to the Secretary in a sealed envelope bearing the voter's name, and received by the Secretary not later than a date to be specified by him upon the ballot form. The adoption of the proposed Amendment shall require the affirmative votes of not fewer than two thirds of the Fellows voting. The ballots shall be counted by tellers appointed by the President, and the result announced at the next meeting of the Society following the count.

BY-LAWS

ARTICLE I—Dues

1. The annual dues of Fellows shall be fourteen dollars and of Members ten dollars, payable on the 1st of January.

2. The membership of each new Fellow or Member shall date from the January 1st nearest to the time of his election and he shall be entitled to receive periodicals from that date, as provided in Article VI.

3. If the dues of any Fellow or Member remain unpaid beyond a reasonable time, the Council, after due notice, shall remove his name from the membership list.

4. A Member or Fellow who is not less than sixty-five years of age, who has retired from active service, and who has been a member of the Society not less than ten years, may upon his request to the Council be placed upon a Retired List and exempted from the payment of regular dues. A Member or Fellow going on the Retired List shall waive the right to receive journals on membership subscription from the Society but shall, if he wishes, still receive notices of meetings, the Bulletins, and other mailings from the Society upon payment annually of an amount to be set by the Council to cover the cost of this service.

ARTICLE II—Meetings

At least four regular meetings shall be held each year, at such times and places as shall be ordered by the Council. One of these, to be called the Annual Meeting, shall be held on a day to be determined by the Council, between the 26th of December and the following January 2nd, inclusive. At the Annual Meeting there shall be a business

session for reports of officers, for report of the tellers on the election of officers, and other items of business.

ARTICLE III—Meetings of the Council

1. There shall be a meeting of the Council at the time and place of each regular meeting of the Society.

2. The president shall convoke the Council in special meeting whenever the affairs of the Society require it.

3. A request to the President made in writing by five members of the Council shall render the convocation of the Council obligatory.

ARTICLE IV—Presidential Address

It shall be the duty of the President to deliver an address before the Society at the Annual Meeting next succeeding his first election as President of the Society.

ARTICLE V—Papers

1. No paper shall be accepted for presentation at any meeting of the Society unless the title and an abstract of the paper are in the hands of the Secretary at the closing date stated in the printed call for that meeting.

2. A separate program shall be announced for each session, due allowance being made for discussion. Each session shall begin with the papers announced for that session, even when the program of the preceding session has not been completed.

3. When two or more papers are offered by the same Fellow or Member, one only of these will be assigned a place on the regular program, while the others will be placed in a supplementary program, to be called for if time permits.

4. Except by special vote of the Society, the maximum allowance of time for the presentation of a paper shall be ten minutes. The presiding officer shall enforce this rule.

ARTICLE VI—Journals

1. Each fellow or member of the Society who has paid his dues in full, shall be entitled to receive *The Physical Review* published by the Society, and *Physics Abstracts of Science Abstracts*, except that a member or fellow not residing in the United States, Canada, or Mexico, shall be entitled to receive *The Physical Review* only after payment in addition to dues of an amount to be fixed by the Managing Editor. (See also note below.)

2. No publication shall be sent on membership subscription until dues in full for the year together with any previous arrears have been paid.

ARTICLE VII—Committees

Each committee authorized by the Council or by the Society shall be considered automatically discharged at the close of the Annual Meeting next following the authorization of the committee unless specific action to continue the committee be taken by the Council or by the Society. If continuance of a committee is authorized a new appointment of members shall be made, and no former member shall continue on the committee unless reappointed.

ARTICLE VIII—Amendments

These By-Laws may be amended or suspended only upon recommendation of the Council, and by a two-thirds vote of the fellows present at a meeting of the Society.

(Note: "By action of the Council a member may, on request addressed to the Treasurer, obtain on membership subscription *Reviews of Modern Physics*, or *Journal of Applied Physics*, or *Review of Scientific Instruments* in substitution for *The Physical Review;* and *Electrical Engineering Abstracts* may be substituted for *Physics Abstracts*. The *Journal of Chemical Physics* may be taken in place of both *The Physical Review* and *Physics Abstracts*.

Until further notice the Managing Editor has set $1.50 as the payment in addition to dues to be made by a Member (not by a Fellow) not residing in the United States, Canada, or Mexico.")

ARTICLES OF INCORPORATION

Incorporated in the District of Columbia

District of Columbia,

Know All Men by These Presents, that we, all citizens of the United States, whose names are hereto undersigned, a majority of whom are residents of the District of Columbia, being desirous to form a society and body corporate under the laws of the said District, and in particular under sub-chapter 111 of Chapter XVIII of the Code of Law in force in the said District, do hereby declare and certify as follows, that is to say:

First. The name of the Society hereby formed shall be The American Physical Society.

Second. The term of existence of the said Society shall be perpetual.

Third. The said Society shall have no capital stock.

Fourth. The object and purpose of the said Society is, and shall be, to promote the advancement and diffusion of the knowledge of physics, to publish a periodical and other publications for that purpose, and to do such other things as may be conducive to the said purpose.

Fifth. The business affairs and concerns of the said Society shall be, during the first year of the existence, managed and directed by a board of trustees to be called the council, and consisting of twelve persons, the first members of which council, who shall act as such until the membership may be changed by an election held in accordance with the constitution and by-laws of the Society, shall be:

Ernest Merritt, Ithaca, New York;
Karl E. Guthe, Ann Arbor, Michigan;
Alfred D. Cole, Columbus, Ohio;

Joseph S. Ames, Baltimore, Maryland;
Robert A. Millikan, Chicago, Illinois;
John Zeleny, Minneapolis, Minnesota;
Henry A. Bumstead, New Haven, Connecticut;
Theodore Lyman, Cambridge, Massachusetts;
Howard T. Barnes, Montreal, Canada;
William J. Humphreys, Washington, D. C.;
Dayton C. Miller, Cleveland, Ohio;
George K. Burgess, Washington, D. C.

The said Society reserves the right and power to amend, alter, replace, and to add to any and all of the provisions contained in this certification in such manner and to such extent as may be authorized by law.

In witness whereof, we have affixed our signatures and our seals this the fourth day of November in the year 1914.

ARTHUR L. DAY (SEAL)
W. J. HUMPHREYS (SEAL)
S. W. STRATTON (SEAL)
GEORGE K. BURGESS (SEAL)

DISTRICT OF COLUMBIA,
CITY OF WASHINGTON.

I, Henry D. Hubbard, a Notary Public in and for the District of Columbia, do hereby certify that George K. Burgess of Washington in the District of Columbia, Arthur L. Day, of the same city, William J. Humphreys of the same city, and Samuel W. Stratton of the same city, being parties to the aforegoing certificate of incorporation of The American Physical Society whose signatures and seals are thereto affixed, which certificate bears date on the fourth day of November in the year 1914, did personally appear before me in the City of Washington in the District aforesaid, the said persons being personally known to me as the persons who signed and sealed the said certificate, and did severally acknowledge the said certificate to be their act and deed for the purposes stated and set forth therein.

Witness my hand and official seal set hereto on this fourth day of November in the year 1914.

HENRY D. HUBBARD,
(Notarial Seal) *Notary Public.*

OFFICE OF THE RECORDER OF DEEDS,
DISTRICT OF COLUMBIA.

This is to certify that the foregoing is a true and verified copy of the Articles of Incorporation, of The American Physical Society, and of the whole of said Articles of Incorporation, as filed in this office the 10th day of November, 1914, and recorded in Liber No. 31, folio 57, et seq., one of the Incorporation Records of the District of Columbia.

In testimony whereof, I have hereunto set my hand and affixed the seal of this office this 23rd day of December, A. D. 1914.

Deputy and Acting Recorder of Deeds, D. C.
R. W. DUTTON.

GROWTH IN NUMBER OF MEMBERS IN THE AMERICAN PHYSICAL SOCIETY

Year	*Honorary*	*Fellows*	*Members*	*Total*	*Year*	*Honorary*	*Fellows*	*Members*	*Total*
1899		59		59	1924	8	482	1169	1659
1900		96		96	1925	8	491	1261	1760
1901		100		100	1926	8	487	1358	1853
1902		144		144	1927	7	486	1427	1920
1905	2	255	25	282	1928	6	520	1637	2163
1907	5	287	142	434	1929	6	522	1844	2372
1909	5	295	195	495	1930	5	516	1963	2484
1912	6	316	303	625	1931	6	679	1882	2567
1913	6	340	336	682	1932	6	666	1916	2588
1915	7	365	289	661	1933	6	662	2005	2673
1917	7	370	491	868	1934	6	662	2055	2723
1918	7	395	533	935	1935	6	694	2146	2846
1919	7	452	687	1146	1936	6	730	2191	2927
1920	7	456	833	1296	1937	5	745	2363	3113
1921	7	461	925	1393	1938	5	783	2553	3341
1922	7	467	1044	1518	1939	5	788	2772	3565
1923	8	484	1120	1612	1940	5	832	2914	3751

MEMBERSHIP LIST

OF

THE AMERICAN PHYSICAL SOCIETY

FEBRUARY, 1941

PAST HONORARY MEMBERS

Arrhenius, Svante August
Lord Kelvin
Lorentz, Hendrik Antoon
Lord Rutherford
Wiechert, Emil

PRESENT HONORARY MEMBERS

Bjerknes, Vilhelm Frimann Koren, Dr. Phil., LL.D., Emeritus Professor of Mechanics and Mathematical Physics at the *University of Oslo, Oslo, Norway.*

Bohr, Niels, Dr. Phil., Professor of Theoretical Physics, University of Copenhagen and Director of the Institute of Theoretical Physics, *Blegdamsveg 15, Copenhagen, Denmark.*

Bragg, Sir William (Henry), O.M., K.B.E., F.R.S., D.Sc., Fullerian Professor of Chemistry and Director of the Davy-Faraday Research Laboratory, The Royal Institution, *21 Albermarle St. London, W. 1, England.*

Einstein, Albert, D.Sc., Ph.D., LL.D., Professor of Theoretical Physics, The Institute for Advanced Study, Princeton, N. J.

Planck, Max, Dr. Phil., D.Sc., Dr. Ing., Professor of Theoretical Physics, University of Berlin, Geh. Reg.-Rat, *Berlin-Grünewald, Wangenheimstr. 21, Germany.*

FELLOWS AND MEMBERS

Note: A name preceded by an asterisk (*) is that of a Fellow; all others are Members. Addresses are given as on record in the office of the Treasurer.

Abbitt, William H., Texas Technological College, Lubbock, Tex.
Abbot, Leonard H., Harvard University, Cambridge, Mass.
Abbott, Ernest J., Physicists Research Co., 343 South Main St., Ann Arbor, Mich.
Abbott, Frank R., General Electric X-Ray Corp., 2012 Jackson Blvd., Chicago, Ill.
Abbott, Raymond B., 339 Sylvia St., Lafayette, Ind. (Purdue University.)
Abe, Mutsusuke, Kumoi-cho 47, Nishinomiya-shi, Hyogoken, Japan.
Abelson, Philip, Department of Terrestrial Magnetism, 5241 Broad Branch Rd., N.W., Washington, D.C.
Abernathy, Lewis, Fayette, Mo. (Central College.)
Abramson, Harold A., 133 East 58th St., New York, N.Y. (Columbia University.)
Ackley, Robert A., 4818 Fletcher St., Chicago, Ill. (Republic Flow Meters Co.)
***Adams,** Comfort A., Edward G. Budd Mfg. Co., Philadelphia, Pa.
***Adams,** Edwin P., P.O. Box 91, Princeton, N.J. (Princeton University.)
***Adams,** Elliott Q., General Electric Co., Nela Park, Cleveland, Ohio.
Adams, Gail D., Jr., University of Illinois, Urbana, Ill.
Adams, John M., University of California, Los Angeles, Calif.
***Adams,** Leason H., Geophysical Laboratory, 2801 Upton St., Washington, D.C.
***Adams,** Norman I., Jr., Yale University, New Haven, Conn.
Adams, Robert J., 180 Pine St., Corning, N.Y.
Adler, Felix, 336 Central Park W., New York, N.Y.
Aebersold, Paul C., University of California, Berkeley, Calif.
Agy, Vaughn, American University, Washington, D.C.
***Ahearn,** Arthur J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Aikman, Edward P., 244–14 Alameda Ave., Douglaston, N.Y. (General Chemical Co.)
Akeley, Edward S., 320 Waldron St., Lafayette, Ind. (Purdue University.)
Albers, Vernon M., Antioch College, Yellow Springs, Ohio.
***Albertson,** Walter, Massachusetts Institute of Technology, Cambridge A, Mass.
Albright, C. Leonard, 50 Broadway, Beverly, Mass. (Hygrade Sylvania Corp.)
***Albright,** John G., Case School of Applied Science, Cleveland, Ohio.
Albright, Penrose S., 902 East 9th St., Winfield, Kans. (Southwestern College.)
Alderman, George W., Massachusetts Agricultural College, Amherst, Mass.
Alexander, L. M., University of Cincinnati, Cincinnati, Ohio.
Alexis, Lucien V., 4634 Willow St., New Orleans, La. (McDonogh 35 High School.)
Allaire, Royal P., St. Bede College, Peru, Ill.
Allaman, Haideé H., 1458 Woodward Ave., Lakewood, Ohio.
***Allen,** Alexander J., 993 Memorial Dr., Cambridge, Mass. (University of Pittsburgh.)
Allen, Harriet W., Hollins College, Va. (Hollins College.)
Allen, Hubert W., 64 Bradley St., Burlington, Vt. (University of Vermont.)
Allen, James S., Kansas State College, Manhattan, Kans.
***Allen,** Mildred, Box 103, South Hadley, Mass. (Mount Holyoke College.)
Allen, Robert I., 542 North Hayden Ave., DeLand, Fla. (John B. Stetson University.)
***Allen,** Samuel J. M., University of Cincinnati, Cincinnati, Ohio.
Aller, Lawrence H., Harvard College Observatory, Cambridge, Mass.
Allibone, Thomas E., 81, The Avenue, Sale, Cheshire, England. (Metropolitan-Vickers Electric Co.)
***Allis,** William P., Massachusetts Institute of Technology, Cambridge A, Mass.
***Allison,** Fred, Alabama Polytechnic Institute, Auburn, Ala.
***Allison,** Samuel K., University of Chicago, Chicago, Ill.
***Almy,** Gerald M., University of Illinois, Urbana, Ill.
***Almy,** John E., University of Nebraska, Lincoln, Nebr.
Alter, Bruno E. K., Jr., 21 Davies Ave., Dumont, N.J. (Polytechnic Institute of Brooklyn.)

*Alter, Dinsmore, Griffith Observatory, Los Angeles, Calif.
Altman, Francis J., Mount Saint Michael's, Spokane, Wash.
Alty, Raymond L., Alfred, N.Y. (Alfred University.)
*Alvarez, Luis W., University of California, Berkeley, Calif.
Amaki, Tosio, 227 Kagomati, Koisikawa-ku, Tokyo, Japan.
Amaldi, Edorado, Viale Parioli 50, Rome, Italy. (Istituto Fisico Città Universitaria.)
Ambrosia, Sister Mary, Marygrove College, Detroit, Mich.
*Ames, Joseph S., 2 Charlcote Pl., Baltimore, Md. (The Johns Hopkins University.)
Andersen, Erik, 6900 North Wolcott Ave., Chicago, Ill. (Republic Drill & Tool Co.)
Anderson, A. Eugene, Bell Telephone Laboratories, 463 West St., New York, N.Y.
*Anderson, Carl D., California Institute of Technology, Pasadena, Calif.
Anderson, Elda E., Milwaukee-Downer College, Milwaukee, Wis.
Anderson, Evald, 1841 Warwick Rd., San Marino, Calif. (Western Precipitation Corp.)
Anderson, Herbert L., Columbia University, N.Y.
*Anderson, John A., Mount Wilson Observatory, Pasadena, Calif.
Anderson, John M., University of Toronto, Toronto, Canada.
Anderson, Paul A., State College of Washington, Pullman, Wash.
*Anderson, S. Herbert, Signal Corps Laboratories, Fort Monmouth, Oceanport, N.J.
Anderson, Scott, Aluminum Research Laboratories, P. O. Box 772, New Kensington, Pa.
Anderson, Stanley, 8111 Loomis Blvd., Chicago, Ill. (Crane Co.)
Anderson, Warren F., 525 West 238th St., New York, N.Y. (Hunter College.)
Anderson, Wilmer C., American Research Co., 845 Boyd St., Beaumont, Tex.
Andrews, C. Luther, New York State College for Teachers, Albany, N.Y.
*Andrews, Donald H., The Johns Hopkins University, Baltimore, Md.
Andrews, Howard L., R.F.D., East Greenwich, R.I. (U. S. Public Health Service.)
Andrews, Wm. Alan, University of Pittsburgh, Pittsburgh, Pa.
Anjour, H., P. O. Box 53, Erivan, Armenie, U.S.S.R.
*Anslow, Gladys A., 72 Dryads Green, Northampton, Mass. (Smith College.)
Anthony, Lucius, 5656 Brooklyn Ave., Seattle, Wash. (University of Washington.)
Anthony, Robert L., University of Notre Dame, Notre Dame, Ind.
Antippa, Fadil G., American University of Beirut, Beirut, Syria.
Aoki, Hiroo, 807 Wadahonmati, Suginamiku, Tokyo, Japan.
Apker, LeRoy, University of Rochester, Rochester, N.Y.
Archibald, Donald C., Meteorological Office, 315 Bloor St. W., Toronto, Canada.
Archibald, William J., 11 Wilton Crescent, Ottawa, Canada.
Arenberg, David L., Blue Hill Meteorological Observatory, Milton, Mass.
Ariyama, Kanetaka, Institute of Physical and Chemical Research, Tokyo, Japan.
Ariyama, Kyozo, Showa Steel Works, Anzan, Manchukuo.
Armi, Edgar L., California Institute of Technology, Pasadena, Calif.
*Armstrong, Alice H., Wellesley College, Wellesley, Mass.
Armstrong, John E., 910 Ninth St., Lake Charles, La. (Schlumberger Well Surveying Corp.)
Arnett, Henry D., West Virginia University, Morgantown, W.Va.
Arnold, Prescott N., U. S. Naval Research Laboratory, Washington, D.C.
Arnott, Edward G. F., 40 Oakwood Ave., Upper Montclair, N.J. (Westinghouse Electric & Manufacturing Co.)
Arnott, Janet M., 40 Oakwood Ave., Upper Montclair, N.J.
Arnquist, Warren N., Gulf Research and Development Co., Drawer 2038, Pittsburgh, Pa.
Asada, Tsunesaburo, Nakano 14 Uchide, Seido-Mura Muko-gun, Hyogo-ken, Japan. (Osaka Imperial University.)
Asao, Saichiro, Tokyo Shibaura Denki K. K., Kanagawaken, Japan.
Ashby, Robert M., University of Wisconsin, Madison, Wis.
Ashkin, Julius, 983 East 27th St., Brooklyn, N.Y. (Columbia University.)
Asset, Gabrielle, Hood College, Frederick, Md.
*Astin, Allen, 4441 Harrison St. N.W., Washington, D.C. (National Bureau of Standards.)
Atanasoff, John V., Iowa State College, Ames, Iowa.
Avrami, Melvin, Columbia University, New York, N.Y.
Ayres, Waldemar, International Business Machine Corp., 590 Madison Ave., New York, N.Y.

Babcock, Clarence L., 2610 Calverton, Toledo, Ohio. (Owens-Illinois Glass Co.)
Babcock, Frederick A., 5034 Allendale Ave., Detroit, Mich. (Precise Instrument Co.)
*Bacher, Robert F., Cornell University, Ithaca, N.Y.
Bacon, Arthur A., 386 Main St., Amesbury, Mass.
Bacon, George P., Ashfield, Mass. (Tufts College.)
Bacon, James F., 717 Summerlea St. E. E., Pittsburgh, Pa. (Jones & Laughlin Steel Corp.)
Bacon, Ralph H., 68 Van Guilder Ave., New Rochelle, N. Y. (Frankford Arsenal.)
Badger, Richard M., California Institute of Technology, Pasadena, Calif.
Badgley, Ralph E., Eastern Oregon Normal School, La Grande, Ore.
Bagg, Thomas C., 5024 Walton Ave., Philadelphia, Pa. (University of Pennsylvania.)
Bahls, W. Endres, RCA Manufacturing Co., Harrison, N.J.
Bailey, F. M., 27 Lafayette St., Schenectady, N.Y. (General Electric Co.)
Bailey, Norma J., 30 Belmont Ave., Northampton, Mass. (Smith College.)
Bailey, William J., Jr., 1279 Lake Ave., Rochester, N.Y. (Eastman Kodak Co.)
*Bain, Edgar C., 436 Seventh Ave., Pittsburgh, Pa. (United States Steel Corp. of Delaware.)
*Bainbridge, Kenneth T., Harvard University, Cambridge, Mass.
Bair, W. H., Box 483, Potsdam, N.Y. (Clarkson College of Technology.)
Baird, Oscar W., San Diego State College, San Diego, Calif.
Baker, Carl I., 119 Christopher St., Montclair, N.J. (Western Electric Co.)
Baker, Charles P., Cornell University, Ithaca, N.Y.
Baker, Edward B., 725 Calvert Ave., Detroit, Mich. (The Detroit Edison Co.)
Baker, H. Dean, Columbia University, New York, N.Y.
Baker, Judd O., Oak Dr., Medford Lakes, N.J. (RCA Manufacturing Co.)
Baker, Richard F., Columbia University, New York, N.Y.
Bakker, Cornelius J., Daguerrestraat 28, Eindhoven, Holland. (Philips Glowlamp Works.)
Balamuth, Lewis, College of the City of New York, New York, N.Y.
Balderston, Mark, 856 Mixell St., Easton, Pa. (Lafayette College.)
*Baldes, Edward J., Mayo Clinic, Rochester, Minn.
Baldock, Russell, Cornell University, Ithaca, N.Y.
Baldwin, George C., University of Illinois, Urbana, Ill.
Baldwin, George J., University of Notre Dame, Notre Dame, Ind.
Bales, Paul D., Howard College, Birmingham, Ala.
Ball, Albert, Cooper Union, New York, N.Y.
*Ballantine, Stuart, Ballantine Laboratories, Inc., Boonton, N.J.
Ballard, Stanley S., University of Hawaii, Honolulu, T.H.
Baltzer, Otto J., Washington University, St. Louis, Mo.
Bamford, Harry S., 403 East Bringhurst St., Germantown, Philadelphia, Pa.
Bancroft, Dennison, 163 Mount Auburn St., Cambridge, Mass. (Harvard University.)
Bancroft, George H., 405 Washington St., Geneva, N.Y. (Shuron Optical Co., Inc.)
*Bancroft, Wilder, D., 7 East Ave., Ithaca, N.Y. (Cornell University.)
Band, William, Yenching University, Peiping, China.
Banks, Floyd R., Jr., Morgan State College, Baltimore, Md.
Banks, George B., Niagara University, N.Y. (Niagara University.)
Banning, Mary, The Johns Hopkins University, Baltimore, Md.
Banos, Alfredo, Jr., Instituto de Fisica, Mexico City, Mexico.
Banta, Henry E., Independent Exploration Co., 2011 Esperson Bldg., Houston, Tex.
Bär, Richard, 27 Bergstr., Zurich, Switzerland.
Baragar, Arnold E., University of Nebraska, Lincoln, Nebr.
Barber, Wm. Harley, 621 Ransom St., Ripon, Wis. (Ripon College.)
*Bardeen, John, University of Minnesota, Minneapolis, Minn.
Bargmann, Valentin, Institute for Advanced Study, Princeton, N.J.

Barkas, Walter H., c/o L. Barkas, Vaughn, Wash. (Bureau of Ordnance, U. S. Navy.)
***Barker,** Ernest F., 18 Ridgeway, Ann Arbor, Mich. (University of Michigan.)
***Barker,** Harold C., University of Pennsylvania, Philadelphia, Pa.
Barlow, Melvin, Box 133, San Juan Capistrano, Calif. (Kettleman North Dome Assoc.)
Barnes, Arthur H., College of the City of New York, New York, N.Y.
Barnes, Bentley T., General Electric Co., Nela Park, Cleveland, Ohio.
Barnes, George W., Jr., 201 West Baltimore Ave., Clifton Heights, Pa.
***Barnes,** Howard T., McGill University, Montreal, Canada.
***Barnes,** James, Franklin Institute, 20th St. & Pkwy., Philadelphia, Pa.
Barnes, James C., University of Virginia, Charlottesville, Va.
Barnes, LeRoy L., Cornell University, Ithaca, N.Y.
Barnes, Ralph W., 601 West 115th St., New York, N.Y. (College of the City of New York.)
***Barnes,** R. Bowling, American Cyanamid Co., 1937 West Main St., Stamford, Conn.
Barnes, Robert B., Box 100, Belmont, Calif. (National Broadcasting Co.)
***Barnes,** Sidney W., University of Rochester, Rochester, N.Y.
***Barnett,** Samuel J., California Institute of Technology, Pasadena, Calif. (University of California at Los Angeles.)
Barr, E. Scott, Tulane University, New Orleans, La.
Barrett, Charles S., Carnegie Institute of Technology, Pittsburgh, Pa.
Barry, J. Griffiths, Princeton University, Princeton, N.J.
Barss, Walter M., Purdue University, Lafayette, Ind.
Bartberger, Charles L., 1027 Sixth Ave., Altoona, Pa. (Pennsylvania State College, Altoona Undergraduate Center.)
Barthel, Chris. E., Jr., Box 33, Station A, Ames, Iowa. (Iowa State College.)
Bartlett, Boyd W., 183 Maine St., Brunswick, Me. (Bowdoin College.)
***Bartlett,** James H., Jr., Cornell University Medical College, New York, N.Y.
***Bartlett,** Russell S., 6 Stetson St., Lexington, Mass.
Bartoe, Willard, Ford Ave., Hulmeville, Pa. (Rohm and Hass Co., Inc.)
***Barton,** Henry A., American Institute of Physics, 175 Fifth Ave., New York, N.Y.
Barton, Hugh M., Jr., 3421 Stadium Dr., Fort Worth, Tex.
Barton, Vola P., 2500 Kenoak Rd., Baltimore, Md. (Goucher College.)
Bartunek, Paul F., Rensselaer Polytechnic Institute, Troy, N.Y.
***Bassett,** Preston R., 104 Broadway, Rockville Center, N.Y. (Sperry Gyroscope Co.)
Batdorf, Samuel B., University of Nevada, Reno, Nev.
***Bateman,** Harry, California Institute of Technology, Pasadena, Calif.
***Bates,** Frederick J., National Bureau of Standards, Washington, D.C.
Batha, Vincent P., Carroll College, Waukesha, Wis.
Bauer, Paul S., North Shore News Co., Rear 78, Mt. Vernon St., Lynn, Mass.
Bayley, Donald S., University of Pennsylvania, Philadelphia, Pa.
***Bayley,** Paul L., Lehigh University, Bethelhem, Pa.
***Bazzoni,** Charles B., Wallingford, Pa. (Sun Oil Co.)
Beach, John Y., Princeton University, Princeton, N.J.
***Beams,** Jesse W., University of Virginia, Charlottesville, Va.
***Bearden,** J. A., The Johns Hopkins University, Baltimore, Md.
Beardsley, Niel F., 6109 Kimbark Avenue, Chicago, Ill. (University of Chicago.)
***Beattie,** James A., Massachusetts Institute of Technology, Cambridge A, Mass.
Beck, Carl A., Catholic University of America, Washington, D.C.
Beck, Fred J., Jr., 94 Woodlawn St., Hamden, Conn. (Yale University.)
Beck, Sister Mary Cleophas, St. Joseph Presentation Convent, Berkeley, Calif.
Becker, A. E., 129 Brightwood Ave., Westfield, N.J. (Standard Oil Development Co.)
***Becker,** Joseph A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Becker, Robert A., Department of Terrestrial Magnetism, 5241 Broad Branch Rd., N.W., Washington, D.C.
Becknell, Guy G., 6900 Dixon Ave., Tampa, Fla. (University of Florida.)
***Bedell,** Frederick, 1147 Lura St., Pasadena, Calif.
***Beeck,** Otto, Shell Development Co., Emeryville, Calif.
Beeman, W. W., General Motors Corp., Detroit, Mich.
Beers, Lowell C., 1510 North Benton Way, Los Angeles, Calif. (Lane-Wells Co.)
Beers, Yardley, New York University, University Hghts., New York, N.Y.
Beese, Norman C., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
Behar, M. F., The Wellington, Pittsburgh, Pa. (Instruments Publishing Co.)
Beiler, A. Clarke, 359 Washington Ave., Fayetteville, Ark. (University of Arkansas.)
Bell, Dorothea L., Bell Research Laboratories, 125 North Passaic Ave., Chatham, N.J.
Bell, Maurice E., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
Bell, Raymond M., Washington and Jefferson College, Washington, Pa.
Bellamy, B. C., Lamont, Wyo.
Beller, William C., 18 West 85th St., New York, N.Y. (Ellis & Beller, Inc.)
Benade, James M., Forman College, Lahore, India.
Bender, David F., Louisiana State University, University, La.
Bender, Paul, Goshen College, Goshen, Ind.
Bender, Roger S., Harvard University, Cambridge, Mass.
Bender, William, The Visking Corp., 6733 West 65th St., Chicago, Ill.
Benedicks, Carl A. F., Metallografiska Institutet, Stockholm Sweden.
Benedict, Donald L., University of Wisconsin, Madison, Wis.
Benedict, William S., 1049 Park Ave., New York, N.Y. (General Chemical Co.)
Benfield, A. E., Williams College, Williamstown, Mass.
Benioff, V. Hugo, 4327 Chevy Chase Dr., La Canada, Calif. (California Institute of Technology.)
Benndorf, Hans, Post Kroisbach, Graz (Steiermark) Germany.
Bennett, Alva H., Spencer Lens Co., 19 Doat St., Buffalo, N.Y.
Bennett, Clarence E., University of Maine, Orono, Me.
Bennett, Donald M., University of Louisville, Louisville, Ky.
***Bennett,** Edward, University of Wisconsin, Madison, Wis.
Bennett, Frederick D., 523 West Beaver, State College, Pa. (Pennsylvania State College.)
Bennett, Grant S., Michigan State College, East Lansing, Mich.
***Bennett,** Ralph D., Ordnance Laboratory, U. S. Navy, Washington, D.C. (Massachusetts Institute of Technology.)
***Bennett,** Willard H., 136 Fairfield Ave., Newark, Ohio. (Electronic Research Corp.)
Bennett, William E., The Rice Institute, Houston, Tex.
Bennett, William O., Jr., Hamilton Watch Co., Lancaster, Pa.
Benson, James M., 117 Wythe Crescent Dr., Hampton, Va. (National Advisory Committee for Aeronautics.)
Bent, Henry E., University of Missouri, Columbia, Mo.
Bentley, Edward P., 20 Exeter St., Wollaston, Mass. (Massachusetts Institute of Technology.)
Bergen, Catharine M., 116–14th St., Garden City, N.Y.
Berger, Charles E., Lehigh University, Bethlehem, Pa.
Berger, France B., University of Illinois, Urbana, Ill.
Berger, Rose, Brooklyn College, Brooklyn, N.Y.
Bergeson, E. Irving, University of Minnesota, Minneapolis, Minn.
Bergmann, Peter G., 27 William St., Princeton, N.J. (Institute for Advanced Study.)
Berkey, Donald K., 14 College St., Hamilton, N.Y. (Colgate University.)
Berkner, Lloyd V., Department of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
Bernarda, Sister, Regis College, Weston, Mass.
Bernhart, Arthur, Bucknell University Junior College, Wilkes-Barre, Pa.
Bertsch, Carl V., 1421 East 5th St., Winfield, Kans. (Southwestern College.)
Besancon, Robert M., University of Chicago, Chicago, Ill.
Bessey, Robert J., University of Michigan, Ann Arbor, Mich.
Bessey, William H., North Carolina State College, Raleigh, N.C.
***Beth,** Richard A., Princeton University, Princeton, N.J.

*Bethe, Hans A., Cornell University, Ithaca, N.Y.
Bettis, Edward S., Pet Milk Laboratory, Greenville, Ill.
Beutel, Phillip R., 1898 East 82nd St., Cleveland, Ohio. (Case School of Applied Science.)
*Beutler, Hans G., University of Chicago, Chicago, Ill.
Beyer, Harold G., 8848-212th Pl., Queens Village, N.Y. (Columbia University.)
Bhabha, H. J., 8, Little Gibbs Rd., Malabar Hill, Bombay, India.
*Bichowsky, Francis, 7356 Lake St., River Forest, Ill.
Biddle, James G., James G. Biddle Co., 1211 Arch St., Philadelphia, Pa.
*Bidwell, Charles C., Lehigh University, Bethlehem, Pa.
Bien, Richard P., Central China College, Wuchang, Hupeh, China.
Biggs, Orrick H., Beverly, Mass.
Billings, H. Louisa, 68 Main St., Hatfield, Mass. (Smith College.)
Binder, John L., Pure Oil Co., Box 266, Winnetka, Ill.
Binns, J. Edward, Columbia University, New York, N.Y.
Biot, Maurice A., California Institute of Technology, Pasadena, Calif. (Columbia University.)
Birch, Francis, Harvard University, Cambridge, Mass.
*Birge, Raymond T., University of California, Berkeley, Calif.
Biscoe, Jonathan, Massachusetts Institute of Technology, Cambridge A, Mass.
*Bishop, Frederic L., University of Pittsburgh, Pittsburgh, Pa.
Bishop, F. L., Jr., 409 North 2nd St., Jeanette, Pa. (American Window Glass Co.)
*Bitter, Francis, Massachusetts Institute of Technology, Cambridge A, Mass.
Bjerge, T., Vespervej 3, Hellerup, Denmark.
Black, J. G., Box 475, Morehead, Ky. (Morehead State Teachers College.)
Black, K. Charlton, Bell Telephone Laboratories, 180 Varick St., New York, N.Y.
*Black, N. Henry, 21 Follen St., Cambridge, Mass. (Harvard University.)
Blackburn, John F., 1719 North Gardner St., Hollywood, Calif.
Blackett, Patrick M. S., 28, Tufton Court, Tufton St., London, England. (University of Manchester.)
Blackwell, Otto B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
*Blackwood, O., University of Pittsburgh, Pittsburgh, Pa.
Blair, Henry A., University of Rochester, Rochester, N.Y.
Blaisdell, B. Edwin, 42 Trevett Ave., East Lynn, Mass. (Massachusetts Institute of Technology.)
*Blake, Frederic C., 2107 Iuka Ave., Columbus, Ohio. (Ohio State University.)
*Blaker, Ernest, 616 Weber Ave., Akron, Ohio.
Blau, Ludwig W., 2027 Colquitt Ave., Houston, Tex. (Humble Oil & Refining Co.)
*Bleakney, Walker, Princeton University, Princeton, N.J.
Bleick, Willard E., 114 Monitcello Ave., Annapolis, Md. (U. S. Naval Academy.)
Bleil, David F., Michigan State College, East Lansing, Mich.
*Bless, Arthur A., University of Florida, Gainesville, Fla.
Blewett, John P., General Electric Co., Schenectady, N.Y.
Blickman, Joseph H., University of North Carolina, Chapel Hill, N.C.
Bliven, Joseph E., P.O. Box 91, New London, Conn. (Warner Bros. Garde Theatre.)
*Bloch, Felix, Stanford University, Stanford University, Calif.
Bloch, Lore C., Stanford University, Stanford University, Calif.
*Blodgett, Katharine B., General Electric Co., Schenectady, N.Y.
Bloomenthal, Sidney, 914 Carmen Ave., Chicago, Ill. (University of Chicago.)
Boch, Alfred, E. Leitz, Inc., 730 Fifth Ave., New York, N.Y.
Bock, Charles D., 1 Christopher St., New York, N.Y. (Arma Corp.)
Bockstahler, Lester I., Northwestern University, Evanston, Ill.
Boden, Robert H., 1346 Carmen Dr., Glendale, Calif. (Lockheed Aircraft Corp.)
Boeker, Gilbert F., 45 West 35th St., New York, N.Y. (College of the City of New York.)
Boggs, Emily E., 49 St. Nicholas Ter., New York, N.Y. (Hunter College.)
Boggs, N. Isabel, Randolph-Macon Woman's College, Lynchburg, Va.
Bohn, J. Lloyd, 40 Roslyn Ave., Glenside, Pa. (Temple University.)
Bol, Cornelis, 925 Roble Ridge, Palo Alto, Calif. (Stanford University and General Electric Co.)
Bolger, Henry J., University of Notre Dame, Notre Dame, Ind.
Bollman, John H., Bell Telephone Laboratories, 180 Varick St., New York, N.Y.
Bollman, Vernon L., Occidental College, Los Angeles, Calif.
Bond, Donald S., Chancellor Hall, 13th and Walnut Sts., Philadelphia, Pa. (RCA Manufacturing Co.)
Bond, Walter L., 227 Walton St., South Orange, N.J. (Bell Telephone Laboratories.)
Boner, Charles P., University of Texas, Austin, Tex.
Bonner, Tom W., The Rice Institute, Houston, Tex.
Boorse, Henry A., Barnard College, New York, N.Y.
Booth, Eugene T., Columbia University, New York, N.Y.
Boots, Paul H., Mene Grande Oil Co., Apartado 45, Barcelona, Venezuela.
Borchardt, Lester F., General Mills Research Laboratories, 2010 East Hennepin Ave., Minneapolis, Minn.
Borden, Avis, Connecticut College, New London, Conn.
Bordner, Earl R., Pennsylvania State College, State College, Pa.
Borelius, C. O. Gudmund, Kungl. Tekniska Högskolan, Valhallavagen, Stockholm, Sweden.
Boreman, Robert W., Carnegie Institute of Technology, Pittsburgh, Pa.
Borowitz, Sidney, 75 Ocean Ave., Brooklyn, N.Y. (New York University.)
Bosch, Walter C., Tulane University, New Orleans, La.
Bost, Ralph W., University of North Carolina, Chapel Hill, N.C.
Bottom, Virgil E., Friends University, Wichita, Kans.
Bouckaert, Louis P., 48 Rue du Canal, Louvain, Belgium. (University of Louvain.)
Bourland, L. T., 1916-15th St. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
Bowden, B. V., The School, Oundle, Northamptonshire, England.
Bowditch, Frederick T., National Carbon Co., Inc., P.O. Box 6087, Cleveland, Ohio.
Bowen, Arnold E., P.O. Box 107, Red Bank, N.J. (Bell Telephone Laboratories.)
*Bowen, Ira, S., California Institute of Technology, Pasadena, Calif.
Bowersox, Ralph B., University of Toledo, Toledo, Ohio.
Bowie, Robert M., 14 East 6th St., Emporium, Pa. (Hygrade Sylvania Corp.)
*Bowles, Edward L., Massachusetts Institute of Technology, Cambridge A., Mass.
Bowls, Woodford E., California Polytechnic School, San Luis Obispo, Calif.
*Boyce, Joseph C., Massachusetts Institute of Technology, Cambridge A, Mass.
Boyd, James E., Georgia School of Technology, Atlanta, Ga.
Boydston, Raymond W., Culver Stockton College, Canton, Mo.
Boyer, Robert L., 406 Morewood Ave., Pittsburgh, Pa. (U. S. Bureau of Mines.)
*Boyle, Robert W., National Research Council, Ottawa, Canada.
*Boynton, William P., 546 West Beverly Blvd., Whittier, Calif. (Whittier College and Oregon State College.)
*Bozorth, Richard M., Bell Telephone Laboratories, 463 West St., New York, N.Y.
*Brackett, Frederick S., National Institute of Health, Bethesda, Md.
*Bradbury, Norris E., Stanford University, Stanford University, Calif.
Bradford, James M., 6050 Ingleside Ave., Chicago, Ill. (Central Y.M.C.A. College.)
Bradley, Charles D., Bradley Laboratories, Inc., 82 Meadow St., New Haven, Conn.
Brady, James J., Oregon State College, Corvallis, Ore.
Braestrup, Carl B., 5 Prospect Pl., New York, N.Y. (Department of Hospitals Physical Laboratory.)
Brainin, Clement S., 14 Laurel Pl., Glen Ridge, N.J. (C. S. Brainin Co.)
Brakel, Henry L., 4734 Thackeray Pl., Seattle, Wash. (University of Washington.)
Bramhall, Ervin H., College, Alaska. (University of Alaska.)
*Bramley, Arthur, 121 Ocean Ave., Ocean City, N.J.
Brandt, Weldon H., 219 Castlegate Rd. (21), Pittsburgh, Pa. (Westinghouse Electric & Manufacturing Co.)

Branson, Herman R., Dillard University, New Orleans, La.
Brant, Laura, 33 Capwell Ave., West Warwick, R.I.
***Brasefield,** Charles J., 895 East Del Mar St., Pasadena, Calif.
Brattain, R. Robert, 999 Spruce St., Berkeley, Calif.
***Brattain,** Walter H., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Brattin, Jean H., 54 Royal Pkwy., Williamsville, N.Y.
Braun, Milton L., Catawba College, Salisbury, N.C.
Bray, Edmund C., Northwood School, Lake Placid Club, N.Y.
***Breit,** Gregory, National Bureau of Standards, Washington, D.C. (University of Wisconsin.)
***Brentano,** John C. M., Northwestern University, Evanston, Ill.
Bresch, Sister Mary Ignace, Villa Madonna College, Covington, Ky.
Bretscher, Egon, Cavendish Laboratory, Cambridge, England.
Brevoort, Maurice J., P.O. Box 359, Hampton, Va.
***Brewer,** A. Keith, Fertilizer Research Division, Bureau of Plant Industry, Washington, D.C.
Brewington, Gail P., Lawrence Institute of Technology, Detroit, Mich.
Brice, Brooks A., Eastern Regional Research Laboratory, Wyndmoor, Philadelphia, Pa.
Brice, Richard T., 1650 Harvard St. N.W., Washington, D.C. (Office of Chief of Ordnance and Emory University.)
***Brickwedde,** Ferdinand G., National Bureau of Standards, Washington, D.C.
***Bridgman,** Percy W., Harvard University, Cambridge, Mass.
***Briggs,** Clark A., 1311 Spring Rd. N.W., Washington, D.C. (U. S. Department of Agriculture.)
***Briggs,** Lyman J., 3208 Newark St., Washington, D.C. (National Bureau of Standards.)
Bright, William C., New York University, University Hghts., New York, N. Y.
Brightman, Charles L., 852 Ackerman Ave., Syracuse, N.Y. (Syracuse University.)
Brinker, Bernard L., St. Vincent Archabbey, Latrobe, Pa.
Brinkman, H., St. Odastraat 1, Eindhoven, Holland. (Philips' Lamp Works.)
Brobeck, William M., University of California, Berkeley, Calif.
Brock, Henry M., Weston College, Weston, Mass.
Brock, James E., Windom St., Wayne, Nebr. (Nebraska State Teachers College.)
Brock, Joseph S., U. S. Naval Research Laboratory, Washington, D.C.
***Brode,** Robert B., University of California, Berkeley, Calif.
***Brombacher,** W. G., 6314 Ridgewood Ave., Chevy Chase, Md. (National Bureau of Standards.)
Bromberg, Eleazer, 3470 Cannon Pl., New York, N.Y.
***Bronk,** Detlev W., Cornell University Medical College, New York, N.Y.
***Bronson,** Howard L., Dalhouse University, Halifax, Nova Scotia.
Brooks, Harvey, J-21 Leverett House, Cambridge, Mass. (Harvard University.)
***Brooks,** Herbert B., 3006 Porter St. N.W., Washington, D.C.
Brousseau, George P., St. Mary's College, Calif. (St. Mary's College.)
Brown, Allan R., 1629 Lunt Ave., Chicago, Ill. (General Electric X-Ray Corp.)
Brown, Delbert F., Standard Oil Development Co., P.O. Box 243, Elizabeth, N.J.
***Brown,** F. C., 5830 Stony Island Ave., Chicago, Ill.
Brown, Frederick L., P.O. Box 1052, University Station, Charlottesville, Va. (University of Virginia.)
Brown, Frederick W., U. S. Bureau of Mines, 4800 Forbes St., Pittsburgh, Pa.
Brown, Julius A., American University of Beirut, Beirut, Syria.
***Brown,** Joseph G., 1182 Arch St., Berkeley, Calif. (Stanford University.)
Brown, Louis F., Electrical Research Products Inc., 6601 Romaine St., Hollywood, Calif.
Brown, M. Vertner, 12 Abington Ave., Ardsley, N.Y. (College of the City of New York.)
***Brown,** S. Leroy, University Station, Austin, Tex. (University of Texas.)
Brown, Sanborn C., Massachusetts Institute of Technology, Cambridge A, Mass.
Brown, T. Townsend, 4447 Greenwich Pkwy. N.W., Washington, D.C. (U. S. Navy.)
Brown, Thomas B., George Washington University, Washington, D.C.
Brown, Weldon G., University of Chicago, Chicago, Ill.
***Brown,** William F., Jr., Princeton University, Princeton, N.J.
***Broxon,** James W., University of Colorado, Boulder, Colo.
Brubaker, D. Gordon, 406 Columbia Ave., Palmerton, Pa. (New Jersey Zinc Co.)
Brubaker, Wilson M., 611 Marion Ave., Wilkinsburg, Pa. (Westinghouse Electric & Manufacturing Co.)
Bruce, Claude W., Wesleyan College, Macon, Ga.
Bruce, William A., The Carter Oil Co., Tulsa, Okla.
Brueske, George A., R. R. No. 1, Wayzata, Minn.
Brunner, Eugene, 2052 McGee, Berkeley, Calif. (Shell Development Co.)
***Bryan,** Andrew B., 1624 East 37th St., Tulsa, Okla.
Bryan, Arthur L., Eastman Kodak Co., Rochester, N.Y.
Bryant, Carroll W., University of Tennessee Junior College, Martin, Tenn.
***Bryant,** Ernest C., 13 South St., Middlebury, Vt. (Middlebury College.)
Buchdahl, Rolf, The Johns Hopkins University, Baltimore, Md.
***Buchta,** J. W., University of Minnesota, Minneapolis, Minn.
Buck, John H., Massachusetts Institute of Technology, Cambridge A, Mass.
Buckingham, Stephen A., 12 Avon Pl., Cambridge, Mass. (General Radio Co.)
***Buckley,** Oliver E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Bucky, Philip B., Columbia University, New York, N.Y.
Buechner, William W., Massachusetts Institute of Technology, Cambridge A, Mass.
Buerschaper, Robert A., Lehigh University, Bethlehem, Pa.
Bueso-Sanllehi, Facundo, University of Chicago, Chicago, Ill. (University of Puerto Rico.)
Buffington, Ralph M., Servel, Inc., Evansville, Ind.
Buggeln, Gertrude E., 152 West 88th St., New York, N.Y.
Bundy, Francis P., 486 Richland Ave., Athens, Ohio. (Ohio University.)
Burbridge, Harry C., Fresno State College, Fresno, Calif.
Burda, Francis X., 3710-13th St. N.W., Washington, D.C. (Catholic University of America.)
Burgwin, Stephen L., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Burka, Samuel M., U. S. Army Air Corps, Wright Field, Dayton, Ohio.
Burke, T. Finley, Indiana University, Bloomington, Ind.
Burling, Richard L., University of Wisconsin, Madison, Wis.
Burnett, J. C., Alpine, N.J.
Burnett, Marion E., 4223 West 11th Ave., Amarillo, Tex.
Burnham, George H., Hofstra College, Hempstead, N.Y.
Burnight, T. Robert, Iowa State College, Ames, Iowa.
Burns, Robert O., 1717 Soniat St., New Orleans, La. (The Celotex Corp.)
Burroughs, Robert E., 4 Dumont St., Rochester, N.Y.
Burt, Robert C., R. C. Burt Scientific Laboratories, 1212 East Green St., Pasadena, Calif.
Burton, Allan L., 257 Baynes St., Buffalo, N.Y. (Spencer Lens Co.)
Burton, Charles J., 17 Shelburne Rd., Stamford, Conn. (American Cyanamid Co.)
***Burton,** E. Franklin, University of Toronto, Toronto, Canada.
Burton, Joseph A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Burwell, John T., Jr., Massachusetts Institute of Technology, Cambridge A, Mass.
Busch, Georg, Landoltstr. 24, Zurich, Switzerland. (Physikalisches Institut E. T. H.)
***Bush,** Vannevar, Carnegie Institution of Washington, Washington, D.C.
Bush, William E., 10 Lobos Ave., Richmond, Calif. (Richmond Union High School.)
Bushkovitch, Alexander, College of Charleston, Charleston, S.C.
Busse, Warren F., The B. F. Goodrich Co., Akron, Ohio.
Butler, Mark D., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.

Byck, Harold T., 1928 Hopkins St., Berkeley, Calif. (Shell Development Co.)
***Byerly,** Perry, University of California, Berkeley, Calif.
Byers, Cecil W., Box 332, University Station, Grand Forks, N.D.
Byrne, John F., 90 East Acres Rd., Pittsfield, Mass. (General Electric Co.)

Cacciapuoti, B. N., Istituto di Fisica della R. Università, Rome, Italy.
***Cady,** Walter, G., Wesleyan University, Middletown, Conn.
Cady, Willoughby M., Cornell University, Ithaca, N.Y.
Cairns, Robert W., 194½ Brecks Lane, Wilmington, Del. (Hercules Powder Co.)
Calbick, Chester J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Caldwell, Wallace C., Iowa State College, Ames, Iowa
Callan, Anna May, 37 Washington Sq., New York, N.Y.
Callihan, Dixon, 193 River Edge Rd., Tenafly, N.J. (College of the City of New York.)
Callon, Ross W., Saguenay Inn, Arvida, Quebec, Canada. (Aluminum Ltd.)
Cameron, G. Harvey, College Hill, Clinton, N.Y. (Hamilton College.)
Camp, Glen D., 866 Faxon Ave., San Francisco, Calif. (San Francisco Junior College.)
Campbell, Clarence J., Dartmouth Medical School, Hanover, N.H.
Campbell, Edward C., State Teachers College, Duluth, Minn.
***Campbell,** George A., 129 Bellevue Ave., Upper Montclair, N.J.
Campbell, John S., P.O. Box 264, Berkeley, Calif. (University of California.)
***Campbell,** Leslie L., 101 East Washington St., Lexington, Va. (Simmons College.)
Canac, François, Arsenal de la Marine, Toulon (Var), France.
Cann, Jessie Y., Smith College, Northampton, Mass.
***Cardwell,** Alvin B., Kansas State College, Manhattan, Kans.
Caris, Darl F., 317 Reginald, Dearborn, Mich. (General Motors Corp.)
Carley, Glenn R., 2105 Robinwood Ave., Toledo, Ohio. (Toledo Scale Co.)
Carll, Mary Louise, 210 East 16th St., Wilmington, Del.
***Carlson,** J. Franklin, Purdue University, Lafayette, Ind.
Carlson, Phillip R., University of Washington, Seattle, Wash.
***Carman,** Albert P., 910 West California St., Urbana, Ill. (University of Illinois.)
Carmichael, Hugh, St. John's College, Cambridge, England.
Carnvale, Anthony, Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Carpenter, David W., Duke University, Durham, N.C.
Carr, Arthur B., 510 North Buxton St., Indianola, Iowa. (Simpson College.)
***Carr,** Emma P., Mount Holyoke College, South Hadley, Mass.
Carr, Percy H., Iowa State College, Ames, Iowa.
Carr, Thomas D., Aberdeen Proving Ground, Md.
Carragan, G. Howard, Rensselaer Polytechnic Institute, Troy, N.Y.
Carroll, Henry, 629 West 115th St., New York, N.Y. (Brooklyn College.)
***Carroll,** John A., University of Aberdeen, Aberdeen, Scotland.
Carroll, Joseph F., Marquette University, Milwaukee, Wis.
Carroll, Kenneth G., 80 LaSalle Ave., Hampton, Va. (National Advisory Committee for Aeronautics.)
Carroll, Thomas J., College of New Rochelle, New Rochelle, N.Y.
Carter, C. W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Carter,** Edna, Vassar College, Poughkeepsie, N.Y.
Carter, Elbert P., 231 West Tulpehocken St., Germantown, Philadelphia, Pa. (Rohm & Haas Chemical Co.)
***Cartwright,** C. Hawley, Corning Glass Works, Corning, N.Y.
Carwile, Preston B., Lehigh University, Bethlehem, Pa.
Cashman, Robert J., Northwestern University, Evanston, Ill.
Cassen, Benedict, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
***Castleman,** Robert A., Jr., Box 527, Falls Church, Va.
Caston, Ralph H., University of Notre Dame, Notre Dame, Ind.
Caswell, Albert E., University of Oregon, Eugene, Ore.
Cattell, Ware, Scientific Monthly, Smithsonian Institution Bldg., Washington, D.C.
***Cernuschi,** Felix, University of Tucuman, Tucuman, Argentina.
***Chaffee,** E. Leon, Harvard University, Cambridge, Mass.
Challacombe, Carl N., Baker University, Baldwin City, Kans.
Chalmers, Thomas A., Radium Institute, Liverpool, England.
***Chamberlain,** Clark W., 627 Ardson Rd., East Lansing, Mich. (Michigan State College.)
Chambers, Carl C., University of Pennsylvania, Philadelphia, Pa.
Chance, Britton, Maloney Clinic, Johnson Foundation, 36th & Spruce Sts., Philadelphia, Pa.
Chaney, Newcomb K., United Gas & Improvement Co., 1401 Arch St., Philadelphia, Pa.
Chang, W. Y., Associated Southwest University, Kunming, Yunnan, China.
Chang, Z. T., University of Chekiang, Hangchow, China.
***Chant,** Clarence A., Richmond Hill Post Office, Ontario, Canada. (University of Toronto.)
Chao, S. H., St. Johns University, Shanghai, China.
Chapin, Daryl M., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Chapman, C. W., Michigan State College, East Lansing, Mich.
Chapman, Seville, University of Kansas, Lawrence, Kans.
Chapman, Sydney, Imperial College, London, England.
Chappell, R. R., University of Richmond, Richmond, Va.
Charles, George W., Ohio State University, Columbus, Ohio.
Charles, Rollin L., 510 Race Ave., Lancaster, Pa. (Franklin and Marshall College.)
***Charlton,** Ernest E., General Electric Co., Schenectady, N.Y.
***Chase,** Carl T., New York University, University Hghts., New York, N.Y.
Chasson, Robert L., 338 South Detroit St., Los Angeles, Calif. (Lockheed Aircraft Corp.)
Cheney, Elliott W., 71 Carleton Ave., Washington, N.J. (Consumers' Research Inc.)
***Cheney,** Walter L., George Washington University, Washington, D.C.
Chesna, John, 29 Barons St., Rochester, N.Y. (Bausch & Lomb Optical Co.)
Chesnut, Roy W., 115 Inwood Ave., Upper Montclair, N.J. (Bell Telephone Laboratories.)
Chiles, James A., Jr., University of Virginia, Charlottesville, Va.
Chodorow, Marvin, 3859 Amundsen Ave., New York, N.Y.
***Chrisler,** V. L., National Bureau of Standards, Washington, D.C.
Christensen, Carl J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Christensen, H., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Christison, Frances L., 1621 Jefferson St., Madison, Wis. (University of Wisconsin.)
***Christy,** Andrew, 4326 North Knox Ave., Chicago, Ill. (G-M Laboratories, Inc.)
Christy, Robert F., University of California, Berkeley, Calif.
Chromey, Fred, Indiana University, Bloomington, Ind.
Chu, Djen-Yuen, National University of Cheikiang, Tsunyi, Kweichow, China.
Chubb, L. Warrington, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Chylinski, Stanislas, 16 West 9th St., New York, N.Y.
Cinnamon, Carl A., University of Wyoming, Laramie, Wyo.
***Cioffi,** Paul P., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Clancy, Edward P., Harvard University, Cambridge, Mass.
Claridge, George C., University of Notre Dame, Notre Dame, Ind.
Clark, Arnold F., Indiana University, Bloomington, Ind.
***Clark,** Bertha M., Newtown, Bucks County, Pa.
Clark, Charles L., 3305 McKinney Ave., Dallas, Tex. (Geophysical Service.)
Clark, Frank M., 12 Concord Pkwy., Pittsfield, Mass. (General Electric Co.)
Clark, Harold E., University of Minnesota, Minneapolis, Minn.
Clark, Harold T., Jones & Laughlin Steel Corp., 40 Longworth St., Pittsburgh, Pa.
Clark, Herbert A., Taylor Instrument Cos., 95 Ames St., Rochester, N.Y.
***Clark,** Janet H., University of Rochester, Rochester, N.Y.

Clark, John C., Box 127, East Lansing, Mich. (Michigan State College.)
Clark, John W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Clark, Leland B., Smithsonian Institution, Washington, D.C.
Clark, Loren T., University of Southern California, Los Angeles, Calif.
Clark, Robert K., University of Illinois, Urbana, Ill.
Clark, William R., Cheltena Ave., Jenkintown, Pa. (Leeds & Northrup Co.)
Clarke, C. Fred, Box 22, Somerset West, Cape, South Africa. (Helderberg College.)
Clarke, Eric T., 4640 Delafield Ave., New York, N.Y. (Massachusetts Institute of Technology.)
Clash, Richard F., Jr., 2240 Woodward Ave., Lakewood, Ohio. (National Carbon Co., Inc.)
Claus, Walter D., Mellon Institute of Industrial Research, Pittsburgh, Pa.
*__Clay,__ Jacob, Plantage Unidergracht 6, Amsterdam, Holland.
Clearman, Harold E., Jr., Massachusetts Institute of Technology, Cambridge A, Mass.
Cleeton, Claud E., 1601 Addison Chapel Rd., Washington, D.C. (U. S. Naval Research Laboratory.)
Clemans, Earl A., State Teachers College, Oshkosh, Wis.
Cleveland, E. Lynn, Pennsylvania State College, State College, Pa.
Cleveland, Forrest F., Illinois Institute of Technology, Chicago, Ill.
Clo, J. Harry, A. Schrader's Son, 470 Vanderbilt Ave., Brooklyn, N.Y.
Clogston, Albert M., Massachusetts Institute of Technology, Cambridge A, Mass.
Cobine, James D., 80 Douglas Rd., Belmont, Mass. (Harvard University.)
*__Coblentz,__ W. W., National Bureau of Standards, Washington, D.C.
Cockcroft, J. D., 31 Sedley Taylor Rd., Cambridge, England. (University of Cambridge.)
Code, F. Leslie, 6061 Trafalgar St., Vancouver, Canada.
Coggeshall, Norman D., University of Illinois, Urbana, Ill.
Coggins, Calvin L., Kingston, R.I. (Rhode Island State College.)
Cohee, Arthur V., Purdue University, Lafayette, Ind.
Cohen, Arnold A., University of Minnesota, Minneapolis, Minn.
Cohen, Karl, 510 West 123rd St., New York, N.Y. (Columbia University.)
Cohen, Victor W., 3822 Davis Pl. N.W., Washington, D.C. (Bureau of Ordnance, U. S. Navy.)
Cohn, Byron, E., 2142 South University Blvd., Denver, Colo. (University of Denver.)
*__Cohn,__ Willi M., 8449 Terrace Dr., El Cerrito, Calif.
Colby, Malcolm Y., University of Texas, Austin, Tex.
*__Colby,__ Walter F., University of Michigan, Ann Arbor, Mich.
Cole, C. C., 714 Washington Blvd., Whittier, Calif.
*__Cole,__ Kenneth S., 630 West 168th St., New York, N.Y. (Columbia University School of Medicine.)
Cole, Robert H., Harvard University, Cambridge, Mass.
Cole, William A., 2608 Dana St., Berkeley, Calif. (Shell Development Co.)
Coleman, Francis F., 18 Church St., Beacon, N.Y. (The Texas Co.)
Coleman, Frank, 41 Quincy Pl. N.W., Washington, D.C.
Coleman, Joseph J., 218 Weft Clark St., Freeport, Ill. (Burgess Battery Co.)
Coleman, Robert P., 128 Columbia Ave., Hampton, Va. (National Advisory Committee for Aeronautics.)
Coles, Donald K., University of Oklahoma, Norman, Okla.
*__Collins,__ George B., University of Notre Dame, Notre Dame, Ind.
Collins, Gyfford D., Robert College, Istanbul, Turkey.
*__Collins,__ Jacob R., Cornell University, Ithaca, N.Y.
Collins, T. R. D., Bell Telephone Laboratories, 463 West St., New York, N.Y.
*__Colpitts,__ Edwin H., 309 Lawn Ridge Rd., Orange, N.J.
Coltman, John W., University of Illinois, Urbana, Ill.
*__Colwell,__ Robert C., West Virginia University, Morgantown, W.Va.
*__Compton,__ Arthur H., University of Chicago, Chicago, Ill.
*__Compton,__ Karl T., Massachusetts Institute of Technology, Cambridge A, Mass.
*__Comstock,__ Daniel F., 58 Charles St., Cambridge, Mass.
Comstock, George C., The Citadel, Charleston, S.C.
*__Condon,__ Edward U., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Conn, George K. T., The University, Sheffield, England.
Connelly, Clarence M., Cornell University, Ithaca, N.Y.
*__Constant,__ F. Woodbridge, Duke University, Durham, N.C.
Constantinides, Philip A., 5564 Monroe St., Chicago, Ill. (Wright Junior College.)
Cook, C. Sharp, Indiana University, Bloomington, Ind.
Cook, David L., 1515 Wright St., Siloam Springs, Ark. (John Brown University.)
Cook, Kenneth S., 510 South Lebanon St., Lebanon, Ind. (Allison Engineering Co.)
Cook, Richard K., National Bureau of Standards, Washington, D.C.
Cook, Samuel R., 1358-47th St., Sacramento, Calif.
Cooke, Francis W., 1061 Grove St., Jacksonville, Ill. (Illinois College.)
*__Cooke,__ Hereward L., Princeton University, Princeton, N.J.
Cooke, William T., Sperry Gyroscope Co. Inc., Garden City, N.Y.
*__Cooksey,__ Charlton D., 104 Huntington St., New Haven, Conn. (Yale University.)
*__Cooksey,__ Donald, University of California, Berkeley, Calif.
Cooley, Jean P., Palisades, Rockland County, N.Y. (New York University.)
*__Coolidge,__ Albert S., 34 Coolidge Ave., Cambridge, Mass. (Harvard University.)
*__Coolidge,__ William D., General Electric Co., Schenectady, N.Y.
Coomes, Edward A., University of Notre Dame, Notre Dame, Ind.
Coon, Jesse B., Colorado State College, Fort Collins, Colo.
Cooper, Edward B., Brookline High School, Brookline, Mass.
Cooper, Eugene P., University of California, Berkeley, Calif.
Cooper, Frank L., 1917 Yale Station, New Haven, Conn. (Yale University.)
Cooper, Franklin S., Haskins Laboratories, Inc., 480 Lexington Ave., New York, N.Y.
Cooper, John N., University of Southern California, Los Angeles, Calif.
Cope, Joseph H., 7 Willow St., Chatham, N.J. (Socony Vacuum Oil Co.)
Cope, Thomas D., 239 Lenoir Ave., Wayne, Pa. (University of Pennsylvania.)
Copeland, Paul L., Armour College of Engineering, Chicago, Ill.
Corben, Herbert C., Princeton University, Princeton, N.J.
Corcoran, Charles A., College of the City of New York, New York, N.Y.
Cork, Bruce B., 30 Garden Pl., Brooklyn, N.Y. (Brooklyn College.)
*__Cork,__ James M., 2034 Day St., Ann Arbor, Mich. (University of Michigan.)
Cornell, Samuel D., 1320 Park Ave., Rochester, N.Y. (Eastman Kodak Co.)
Cornfeld, Nathan J., Long Island University, Brooklyn, N.Y.
Cornish, Don, 161 East Grand Blvd., Detroit, Mich. (United States Rubber Co.)
Cornog, I. Clyde, University of Pennsylvania, Philadelphia, Pa.
Cornog, R., University of California, Berkeley, Calif.
Corrigan, K. E., Harper Hospital, Detroit, Mich.
Corson, Dale R., Massachusetts Institute of Technology, Cambridge, Mass.
Cortell, Robert, 260 Convent Ave., New York, N.Y. (College of the City of New York.)
Coster, Dirk, 13 Quintuslaan, Groningen, Holland. (University of Groningen.)
Coulliette, James H., Birmingham Southern College, Birmingham, Ala.
Coulson, Charles A., 6 East Somerville Pl., Dundee, Scotland. (University College.)
Courant, Ernest D., University of Rochester, Rochester, N.Y.
Countryman, M. Alden, 1951 West Madison St., Chicago, Ill. (Lewis Institute of Arts and Sciences.)
Coven, Allen W., Kent State University, Kent, Ohio.
Cowan, Frederick P., Rensselaer Polytechnic Institute, Troy, N.Y.
Cowie, Dean B., Carnegie Institution of Washington, 5241 Broad Branch Rd. N.W., Washington, D.C. (National Cancer Institute.)
Cox, Elbert F., Howard University, Washington, D.C.

Cox, Everett F., c/o Wm. M. Miller, Woodland Ter., Oxford, Ohio. (Bureau of Ordnance, U. S. Navy.)
Cox, Martha, Bryn Mawr College, Bryn Mawr, Pa.
***Cox,** Richard T., New York University, University Hghts., New York, N.Y.
***Craig,** Palmer H., Invex Corp., 1146 East 152nd St., Cleveland, Ohio.
Cram, S. Winston, Kansas State Teachers College, Emporia, Kans.
***Crane,** H. Richard, University of Michigan, Ann Arbor, Mich.
Crane, Neal D., University of Wisconsin, Madison, Wis.
Crary, Albert P., Independent Exploration Co., 2011 Esperson Bldg., Houston, Tex.
Cravath, Austin M., 1150 Filbert St., San Francisco, Calif. (Shell Development Co.)
Craven, C. J., Furman University, Greenville, S.C.
Crawford, Dean P., University of Rochester, Rochester, N.Y.
Crawford, Francis W., 1430 Jennings, Bartlesville, Okla. (Phillips Petroleum Co.)
***Crawford,** Franzo H., Williams College, Williamstown, Mass.
Crawford, John H., Villanova College, Villanova, Pa.
***Crawford,** Malcolm F., University of Toronto, Toronto, Canada.
Crawley, Clyde B., University, Ala. (University of Alabama.)
***Crehore,** Albert C., 8510 Carnegie Ave., Cleveland, Ohio.
Crenshaw, Craig M., New York University, University Hghts., New York, N.Y.
***Crew,** Henry, 620 Library Pl., Evanston, Ill. (Northwestern University.)
***Crew,** William H., New York University, University Hghts., New York, N.Y.
Crist, Philip W., 3 Dimling Way, Pittsburgh, Pa. (Mellon Institute of Industrial Research.)
Critchfield, Charles L., Prospect Apts., Princeton, N.J. (Princeton University and Institute for Advanced Study.)
Crites, James E., 1032 Orchard St., Toledo, Ohio. (Toledo Testing Laboratory.)
***Crittenden,** Eugene C., National Bureau of Standards, Washington, D.C.
Crittenden, Eugene C., Jr., Case School of Applied Science, Cleveland, Ohio.
Crofutt, Charles B., 30 Mill St., Orono, Mr. (University of Maine.)
Croninger, Bernard K., 550 Belvedere St., San Francisco, Calif. (University of California.)
Crooker, Arthur M., University of British Columbia, Vancouver, Canada.
Cross, J. Hollie, 2015 Fifteenth St., Lubbock, Tex. (Texas Technological College.)
Crost, Munsey E., 100 High St., Passaic, N.J.
Crouch, George E., Jr., Brenau College, Gainesville, Ga.
Croup, Alfred H., 3722 Emmet Dr., Erie, Pa. (Hammermill Paper Co.)
Crouse, William A., National Bureau of Standards, Washington, D. C.
Culmer, William J., University of Minnesota, Minneapolis, Minn.
Cummings, Charles S., 2nd, University Club, Bridgeport, Conn. (Remington Arms Co.)
Cummings, Herbert K., 4213 Ellicott St. N.W., Washington, D.C. (National Bureau of Standards.)
Cunningham, Edward N., 1834 Second St., Cuyahoga Falls, Ohio. (The B. F. Goodrich Co.)
Cunningham, Frederick W., 52 Lanark Rd., Stamford, Conn. (Arma Engineering Co.)
Cunningham, William P., 2812 West 19th St., Wilmington, Del. (Tower Hill School.)
Curl, Gilbert H., P.O. Box 55, Glen Echo, Md. (U. S. Naval Model Basin.)
Curtis, Baldwin R., Harvard University, Cambridge, Mass.
Curtis, Cassius W., Western Reserve University, Cleveland, Ohio.
***Curtis,** Harvey L., National Bureau of Standards, Washington, D.C.
Curtis, Howard J., The Johns Hopkins University, Baltimore, Md.
Curtis, Roger W., National Bureau of Standards, Washington, D.C.
Curtis, William E., King's College, Newcastle-upon-Tyne, England.
***Curtiss,** Leon F., National Bureau of Standards, Washington, D.C.
Cutrona, Louis J., Duluth Junior College, Duluth, Minn.
Cutting, Fulton, 254 Rano St., Buffalo, N.Y.
Cuykendall, Trevor R., Cornell University, Ithaca, N.Y.
***Dadourian,** Haroutune M., 125 Vernon St., Hartford, Conn. (Trinity College.)
Daghlian, Garabed K., Connecticut College, New London, Conn.
Dahlstrom, Robert K., Eastern Washington College of Education, Cheney, Wash.
Dancoff, Sidney M., University of Illinois, Urbana, Ill.
Danforth, William E., 515 Cornell Ave., Swarthmore, Pa. (Bartol Research Foundation.)
Daniel, Arthur F., 425 Central Ave., Orange, N.J. (Thomas Edison, Inc.)
Dannis, Mark L., 1401 Hyde Park Blvd., Chicago, Ill. (Portland Cement Ass'n.)
Darling, Byron T., University of Wisconsin, Madison, Wis.
Darnell, Carl, General Electric X-Ray Corp., 2012 Jackson Blvd., Chicago, Ill.
***Darrow,** Karl K., 230 West 105th St., New York, N.Y. (Bell Telephone Laboratories.)
***Darwin,** Charles G., Bushy House, Teddington, England. (National Physical Laboratory.)
Daunt, John G., University Museum, Oxford, England.
***Davey,** Wheeler P., Pennsylvania State College, State College, Pa.
David, John A., Adelphi College, Garden City, N.Y.
Davidson, Ward F., Consolidated Edison Co. of N.Y., Inc., 4 Irving Pl., New York, N.Y.
Davidson, William L., Jr., The B. F. Goodrich Co., Akron, Ohio.
Davies, John M., 916 Davies Ave., Akron, Ohio. (The B. F. Goodrich Co.)
Davies, Philip W., Cornell University Medical College, New York, N.Y.
Davis, Ardith P., R. R. 2, Argos, Ind.
***Davis,** Bergen, Columbia University, New York, N.Y.
Davis, Frederick C., Observation Squadron 1, U. S. S. Nevada, San Pedro, Calif.
Davis, George E., Duquesne University, Pittsburgh, Pa.
Davis, Gordon A., Case School of Applied Science, Cleveland, Ohio.
Davis, Grace E., 8 Norfolk Ter., Wellesley, Mass. (Wellesley College.)
Davis, Henry M., Long Island University, Brooklyn, N.Y.
Davis, John E., William Jewell College, Liberty, Mo.
Davis, Kenneth E., Syracuse University, Syracuse, N.Y.
Davis, Leverett, Jr., Rockefeller Institute for Medical Research, 66th St. & York Ave., New York, N.Y.
Davis, Myrl N., 128 North Lawe St., Appleton, Wis. (Kimberly Clark Corp.)
***Davisson,** C. J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Dawes, H. Franklin, McMaster University, Hamilton, Canada.
***Day,** Arthur L., 1565 Old Georgetown Rd., Bethesda, Md. (Geophysical Laboratory.)
***Day,** Wm. Scofield, 220 Hobart Ave., Summit, N.J.
Dearnley, Irvine H., University of Rochester, Rochester, N.Y.
de Bretteville, Alex, Jr., 524 Forest, Palo Alto, Calif. (Stanford University.)
***de Broglie,** M. le Duc, 29 Rue Chateaubriand, Paris, France.
***Debye,** Peter J. W., Cornell University, Ithaca, N.Y.
De Cleene, Louis A. V., St. Norbert Abbey, West De Pere, Wis.
Dee, Philip I., 271 Hills Rd., Cambridge, England. (Cavendish Laboratory.)
Defandorf, Francis M., National Bureau of Standards, Washington, D.C.
De Foe, Ona K., St. Louis College of Pharmacy, St. Louis, Mo.
De Groot, Willem, Philips' Lamp Works, Kastenjelaan 1, Eindhoven, Holland.
De Hemptinne, Marc, Institut de Physique, Louvain, Belgium.
Dehlinger, Ulrich, Wiederholdstr. 13/1, Stuttgart, Germany. (Technische Hochschule.)
Dehlinger, Walter H., 116 West 4th St., Emporium, Pa.
Dejardin, Georges, 18, Quai Claude Bernard, Lyon (Rhone), France. (University of Lyon.)
Delaney, John P., Loyola College, Baltimore, Md.
De Launay, Jules, Southern College of Optometry, Memphis, Tenn.
Delbrück, Max, Vanderbilt University, Nashville, Tenn.
Delfosse, J. M., Institut de Physique, Louvain, Belgium.
Delsasso, Leo P., University of California, Los Angeles, Calif.
Delsasso, Lewis A., Princeton University, Princeton, N.J.

Demarest, Charles S., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Dember, Alexis A. B., California Institute of Technology, Pasadena, Calif.
Demers, Joseph, University of Montreal, Montreal, Canada.
De Monte, Robert W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Dempster,** Arthur J., University of Chicago, Chicago, Ill.
Dempster, Richard R., P.O. Box 205, Mills College, Calif. (Mills College.)
Denmark, Hyman S., International Telephone Development Co., 137 Varick St., New York, N.Y.
***Dennison,** David M., University of Michigan, Ann Arbor, Mich.
Deppermann, Charles E., Manila Observatory, Manila, P.I.
Derieux, John B., North Carolina State College, Raleigh, N.C.
***Dershem,** Elmer, University of Chicago, Chicago, Ill.
Dessauer, Gerhard, University of Rochester, Rochester, N.Y.
d'Eustachio, Dominic, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
Deutsch, Martin, Massachusetts Institute of Technology, Cambridge A, Mass.
De Voe, Charles F., 164 Pine St., Corning, N.Y. (Corning Glass Works.)
Devol, Lee, Mellon Institute of Industrial Research, Pittsburgh, Pa.
De Vore, Henry B., RCA Manufacturing Co., Harrison, N.J.
De Vore, Lloyd T., 206 High St., State College, Pa. (Pennsylvania State College.)
De Wet, Jacobus, The University, Cape Town, South Africa.
***Dewey,** Jane M., 1 West 89th St., New York, N.Y.
De Wire, John W., Ohio State University, Columbus, Ohio.
Dicke, Robert H., University of Rochester, Rochester, N.Y.
Dickinson, Beryl H., University of Maryland, College Park, Md.
***Dickinson,** Hobart C., National Bureau of Standards, Washington, D.C.
Dickson, J. B., 44 Pomeroy Ter., Northampton, Mass. (A. G. Spalding & Bros., Inc.)
Dicus, Aaron W., 419-8th St., Cookeville, Tenn. (Tennessee Polytechnic Institute.)
***Dieke,** Gerhard H., The Johns Hopkins University, Baltimore, Md.
Dietrich, Joseph R., 4501 Washington Ave., Newport News, Va.
Dietz, Thomas J., Biochemical Research Foundation, Newark, Del.
***Dike,** Paul H., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
Dillinger, Joseph R., University of Wisconsin, Madison, Wis.
Dillinger, Joy F., Western Electric Co., Chicago, Ill.
Dillon, John H., 45 Melbourne Ave., Akron, Ohio. (Firestone Tire & Rubber Co.)
Dillon, Vincent, Brooklyn College, Brooklyn, N.Y.
Dimitroff, George Z., Harvard Observatory, Harvard, Mass.
Dinger, Jacob E., Iowa State College, Ames, Iowa.
Distad, Merril F., U. S. Naval Research Laboratory, Washington, D.C.
Ditchburn, Robert W., Trinity College, Dublin, Ireland.
Ditto, Raymond C., 231 Philadelphia Ave., Alma, Mich. (Alma College.)
Dix, Charles H., 1455 North Los Robles Ave., Pasadena, Calif.
Dixon, Ellis H., University of Georgia, Athens, Ga.
Djanab, Kamal, Andjomane Physique, Daneche Saraye Ali, Teheran, Iran.
Doan, Richard L., 1337 Cherokee Ave., Bartlesville, Okla. (Phillips Petroleum Co.)
Dobrin, Milton B., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Dobson, George, 494 Dwas Line Rd., Clifton, N.J. (Bell Telephone Laboratories.)
Dobson, Gordon M. B. Watch Hill, The Ridings, Shotover, Oxford, England. (University of Oxford.)
Dodd, Dorothy M., 26 Mountain Ave., Summit, N.J. (Columbus School for Girls.)
Dodd, Laurence E., University of California, Los Angeles, Calif.
***Dodge,** Homer L., University of Oklahoma, Norma, Okla.
Dodson, Richard W., California Institute of Technology, Pasadena, Calif.
Doermann, Frederick W., New York University, University Hghts., New York, N.Y.
Donahue, Sister Mary St. Helen, Mundelein College, Chicago, Ill.
Donal, John S., Jr., RCA Manufacturing Co., Harrison, N.J.
Donley, Hugh L., 319 County Park Dr., Collingswood, N.J. (RCA Manufacturing Co.)
Donovan, Cerda L., 117 East French Pl., San Antonio, Tex. (Ruth Coit School.)
Donovan, Patrick J., Georgetown University, Washington, D.C.
Dooley, Donald, Box 111, Hiram, Ohio. (Hiram College.)
Doolittle, Howard D., 648 New Britain Ave., Hartford, Conn. (Trinity College.)
Doran, Ray L., 213 University St., Lafayette, Ind. (Purdue University.)
***Dorsey,** Herbert G., U. S. Coast & Geodetic Survey, Washington, D.C.
***Dorsey,** N. Ernest, 1628 Riggs Pl. N.W., Washington, D.C. (National Bureau of Standards.)
Douglas, Edward B., R. D. 1, Bound Brook, N.J. (Johns-Manville Corp.)
Douglas, J. F. H., Marquette University, Milwaukee, Wis.
***Dow,** Richard B., Pennsylvania State College, State College, Pa.
Dowling, Philip H., 628 Cascade Rd., Pittsburgh, Pa. (Union Switch & Signal Co.)
Downey, K. Melvina, Box 86, Wheaton, Minn.
Downing, Richard E., 25 Park St., Montclair, N.J. (Federal Telegraph Co.)
Downsbrough, George A., R.F.D. 1, Princeton, N.J. (Johns-Manville Corp.)
Dozier, Charles T., P.O. Box 163, Redding, Calif.
Drake, Frederick H., Old Denville Rd., Boonton, N.J. (Aircraft Radio Corp.)
Draper, Charles S., Massachusetts Institute of Technology, Cambridge A, Mass.
Dreier, Theodore, Black Mountain College, Black Mountain, N.C.
Drenick, Rudolf, Villanova College, Villanova, Pa.
Dresden, Max, University of Michigan, Ann Arbor, Mich.
Driscoll, William G., Shirley Court Apt., Upper Darby, Pa. (Villanova College.)
***Dryden,** Hugh L., 2020 Pierce Mill Rd. N.W., Washington, D.C. (National Bureau of Standards.)
Dubois, Emmanuel, Faculty of Sciences, Cleremont-Ferrand, France.
***Du Bridge,** Lee A., Massachusetts Institute of Technology, Cambridge A, Mass. (University of Rochester.)
Dubs, Werner K., 33 Guggerstr. 33, Zurich, Switzerland.
Duevel, Charles O., Jr., American Thermos Bottle Co., Norwich, Conn.
***Duff,** A. Wilmer, 52 Fruit St., Worcester, Mass. (Worcester Polytechnic Institute.)
***Duffendack,** O. Stanley, University of Michigan, Ann Arbor, Mich.
***Dufford,** R. T., 312 South Garth Ave., Columbia, Mo. (University of Missouri.)
***Du Mond,** Jesse W. M., California Institute of Technology, Pasadena, Calif.
Duncan, A. B. F., University of Rochester, Rochester, N.Y.
Duncan, David C., 149 West Fairmount Ave., State College, Pa. (Pennsylvania State College.)
Duncan, James A., Brooklyn Edison Co., 55 Johnson St., Brooklyn, N.Y.
Duncan, James F., State Teachers College, Oshkosh, Wis.
Duncan, Ralph W., 247 Green Ave., Lansdowne, Pa. (University of Pennsylvania.)
Duncan, Robert C., 4300 Willow Lane, Chevy Chase, Md. (Ordnance Laboratory, U. S. Navy.)
***Dunham,** Theodore, Jr., Mount Wilson Observatory, Pasadena, Calif.
Dunifon, James W., 4132 North Kedvale Ave., Chicago, Ill. (Utah Radio Products Co.)
Dunipace, Donald W., Libbey-Owens-Ford Glass Co., Toledo, Ohio.
Dunlap, W. Crawford, Jr., University of California, Berkeley, Calif.
Dunn, Cecil G., General Electric Co., Pittsfield, Mass.
Dunn, Hugh K., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Dunning,** John R., Columbia University, New York, N.Y.
***Dunnington,** Frank G., Massachusetts Institute of Technology, Cambridge A, Mass. (Rutgers University.)
Du Nouy, Pierre Lecomte, Le Pavillon, Clairefontaine par Rambouillet, Seine et Oise, France.
DuPont, Clarence A., University of Rochester, Rochester, N.Y

Durand, Milo A., 135 Oak St., Brooklyn, N.Y.
Durnford, A. M. I. A. W., University of Western Ontario, London, Canada.
***Dushman,** Saul, General Electric Co., Schenectady, N.Y.
Dwight, Charles H., University of Cincinnati, Cincinnati, Ohio.
Dwyer, Robert J., Harvard University, Cambridge, Mass.
***Dymond,** E. Gilbert, Kew Observatory, Richmond, Surrey, England.
Dysart, Paul M., 102 Valley Dr., Pittsburgh, Pa.

Earls, Lester T., Iowa State College, Ames, Iowa.
Easley, Adelaide, General Electric Co., Nela Park, Cleveland, Ohio.
Eastham, Melville, 30 State St., Cambridge, Mass. (General Radio Co.)
Eaton, Durward L., 523 South 3rd St., DeKalb, Ill. (Northern Illinois State Teachers College.)
Eaton, Vernet E., Wesleyan University, Middletown, Conn.
Ebert, Alfred A., Jr., University of Kentucky, Lexington, Ky.
Echols, Robert L., U. S. Naval Postgraduate School, Annapolis, Md.
***Eckart,** Carl, 5801 Dorchester Ave., Chicago, Ill. (University of Chicago.)
Eckels, Charles K., Allen-Bradley Co., 1326 South 2nd St., Milwaukee, Wis.
***Eckhardt,** E. A., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Eckstein, Ludwig, I. G. Farbenindustrie A. G., Frankfurt (Main), Griesheim, Germany.
Edgerton, Harold E., 205 School St., Belmont, Mass. (Massachusetts Institute of Technology.)
***Edmunds,** Charles K., Pomona College, Claremont, Calif.
Edwards, Charles W., P.O. Box 562, College Station, Durham, N.C. (Duke University.)
Edwards, Hiram W., University of California, Los Angeles, Calif.
Edwards, John E., 195 North Congress St., Athens, Ohio. (Ohio University.)
Edwards, Preston H., Sweet Briar, Va. (Sweet Briar College.)
Edwards, Ray L., 22 Tallawanda Rd., Oxford, Ohio. (Miami University.)
***Eglin,** James M., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Ehrhardt, Charles H., University Oil Products Co., Riverside, Ill.
Ehrke, Louis F., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
Eichelberger, John F., 1020 Harvard Blvd., Dayton, Ohio.
Einarsson, Alfred W., 699 Santa Barbara Rd., Berkeley, Calif. (University of California.)
Eisenbud, Leonard, Princeton University, Princeton, N.J.
Elder, Frank R., General Electric Co., Schenectady, N.Y.
Elder, Joseph D., Lynchburg College, Lynchburg, Va.
Eldred, Byron E., 51 East 42nd St., New York, N.Y.
***Eldridge,** John A., 112 South Governor St., Iowa City, Iowa. (State University of Iowa.)
Elkins, Thomas A., 3255 Parkview Ave., Pittsburgh, Pa. (Gulf Research & Development Co.)
Eller, Willard H., University of Hawaii, Honolulu, T.H.
***Ellett,** Alexander, P.O. Box 444, Iowa City, Iowa. (State University of Iowa.)
Ellickson, Raymond, Brooklyn Polytechnic Institute, Brooklyn, N.Y.
Elliott, Daniel R., Purdue University, Lafayette, Ind.
***Elliott,** Daniel S., Tulane University New Orleans, La.
Elliott, Lloyd G., Massachusetts Institute of Technology, Cambridge A, Mass.
***Ellis,** C. Drummond, The University, Royal Fort, Bristol, England. (King's College.)
Ellis, Cecil B., 449 West 123rd St., New York, N.Y. (College of the City of New York.)
Ellis, James H., Box 244, Glendora, Calif.
***Ellis,** Joseph W., University of California, Los Angeles, Calif.
Ellis, L. G., Sun Oil Co., Box 2831, Beaumont, Tex.
Ells, Victor R., University of Missouri, Columbia, Mo.
Ellsworth, Louis D., Ohio State University, Columbus, Ohio.
***Ellwood,** Walter B., 96 Wadsworth Ter., New York, N.Y. (Bell Telephone Laboratories and U. S. Navy.)
Elmendorf, Charles, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Elmore, William C., Swarthmore College, Swarthmore, Pa.
Elsasser, Walter M., California Institute of Technology, Pasadena, Calif.
Elting, John P., Kendall Mills, Paw Creek, N.C.
Emberson, Richard M., University of Pittsburgh School of Medicine, Pittsburgh, Pa.
***Emeleus,** Karl G., Queen's University, Belfast, Northern Ireland.
Emin, Irving, 55 East 210th St., New York, N.Y. (Walton High School.)
Emo, Lorenzo, University of California, Berkeley, Calif.
Emslie, Alfred G., 20 Southworth St., Williamstown, Mass. (Williams College.)
Engelmann, Herbert F., Cornell University, Ithaca, N.Y.
Engl, Josef, 160 Lorraine Ave., Mount Vernon, N.Y.
English, William N., University of California, Berkeley, Calif.
Englund, Carl R., Holmdel, N.J. (Bell Telephone Laboratories.)
Engstrom, Ralph W., 801 Second Ave., St. Cloud, Minn. (St. Cloud State Teachers College.)
Entwisle, Franklin N., Newark College of Engineering, Newark, N.J.
***Eppley,** Marion, The Eppley Laboratories, Inc., 12 Sheffield Ave., Newport, R.I.
Epstein, David W., RCA Manufacturing Co., Camden, N.J.
***Epstein,** Paul S., California Institute of Technology, Pasadena, Calif.
Erf, Herbert A., 16827 Fernway Rd., Shaker Hghts., Cleveland Ohio. (The H. A. Erf Acoustical Co.)
Erickson, A. Alfred, 295 Denison Pkwy., Corning, N.Y. (Corning Glass Works.)
***Erikson,** Henry A., 424 Harvard St. S.E., Minneapolis, Minn. (University of Minnesota.)
Estabrook, Gaylord B., University of Maryland, Baltimore, Md.
Estep, Lewis I., 1866 Fifth Ave., San Diego, Calif.
Estermann, Immanuel, Carnegie Institute of Technology, Pittsburgh, Pa.
Eucken, Arnold, Physikalisch-chemisches Institut, Göttingen, Germany.
Eustis, Warner, Kendall Co., 140 Federal St., Boston, Mass.
Evans, Julian F., 810 Monnett Ave., Norman, Okla. (The Rice Institute.)
Evans, Marvin, 10533 Lee Ave., Cleveland, Ohio. (Foundry Equipment Co.)
***Evans,** Robley D., Massachusetts Institute of Technology, Cambridge, A, Mass.
Evans, Samuel H., 2737 Palisade Ave., Spuyten Duyvil, New York, N.Y.
***Eve,** Arthur S., 26 Willow Rd., London, England. (McGill University.)
Evjen, Haakon M., Shell Oil Co., Houston, Tex.
Evvard, John C., 1201 East California St., Pasadena, Calif. (California Institute of Technology.)
Ewald, Peter P., 37 Rugby Rd., Belfast, Northern Ireland.
***Ewell,** Arthur W., 55 Jackson St., Worcester, Mass. (Worcester Polytechnic Institute and Westinghouse Electric & Manufacturing Co.)
Ewing, Douglas H., 280 Elm St., Northampton, Mass. (Smith College.)
Ewing, Dwight, Michigan State College, East Lansing, Mich.
***Ewing,** Maurice, Woods Hole, Mass. (Woods Hole Oceanographic Institution.)
Exner, Frank M., 630 West 168th St., New York, N.Y. (Columbia University Department of Cancer Research.)
Eyring, Carl F., Brigham Young University, Provo, Utah.
Eytinge, Bruce D., 110 Remsen St., Brooklyn, N.Y. (Sperry Gyroscope Co. and Polytechnic Institute of Brooklyn.)

***Failla,** Gioacchino, Memorial Hospital, 444 East 68th St., New York, N.Y.
Fairbanks, Floyd C., University of Rochester, Rochester, N.Y.
***Fairchild,** Charles O., C. J. Tagliabue Manufacturing Co., 540 Park Ave., Brooklyn, N.Y.
Faires, Robert E., Box 4846, Duke Sta., Durham, N.C. (Duke University.)
Fankuchen, I., Massachusetts Institute of Technology, Cambridge A, Mass.
Fano, Ugo, Carnegie Institution of Washington, Cold Spring Harbor, N.Y.

Farnsworth, Goldena, Hollins College, Va. (Hollins College.)
***Farnsworth,** H. E., Brown University, Providence, R.I.
Farrand, Clair L., Independent Research Service Co., 35 West 45th St., New York, N.Y.
***Farwell,** Hermon W., Columbia University, New York, N.Y.
Fay, Charles H., University of Tulsa, Tulsa, Okla.
***Fazel,** Charles S., The Solvay Process Co., Hopewell, Va.
Feenberg, Eugene, Washington Square College, New York University, New York, N.Y.
Feicht, Florence L., 1115 Portland St., Pittsburgh, Pa. (U. S. Bureau of Mines.)
Feistel, Horst, 1737 Cambridge St., Cambridge, Mass. (Harvard University.)
Feldman, William, University of Pennsylvania, Philadelphia, Pa.
Feldmeier, Joseph R., University of Notre Dame, Notre Dame, Ind.
Feldstein, Cyril, Iowa State College, Ames, Iowa.
Fenn, Irwin H., Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
***Fenner,** Clarence N., 64 Broad St., Clifton, N.J. (Geophysical Laboratory.)
Ference, Michael, Jr., University of Chicago, Chicago, Ill.
Ferguson, Alexander J., 117 MacKay St., Ottawa, Canada. (National Research Council of Canada.)
Ferguson, Frank A., Connecticut State College, Storrs, Conn.
Ferguson, Walter F. C., New York University, Washington Sq., New York, N.Y.
***Fermi,** Enrico, Columbia University, New York, N.Y.
Feshbach, Herman, 11 Ware St., Cambridge, Mass. (Massachusetts Institute of Technology.)
Fett, Gilbert H., University of Illinois, Urbana, Ill.
Feynman, Richard, Princeton University, Princeton, N.J.
Fidelis, Sister Mary, Rosary College, River Forest, Ill.
Field, Beulah, University of Wisconsin, Madison, Wis.
Field, James E., 2532 North 4th St., Cuyahoga Falls, Ohio. (Goodyear Tire & Rubber Co.)
Field, Robert F., 104 Church St., Watertown, Mass. (General Radio Co.)
Finck, Joseph L., The J. L. Finck Laboratories, 10 West 47th St., New York, N.Y.
Findlay, John H., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
Fink, George A., 1415 Washington St., Easton, Pa. (C. K. Williams & Co.)
Finkelnburg, Wolfgang, Technische Hoschschule, Darmstadt, Germany.
Finkelstein, Robert J., 40 Conant Hall, Cambridge, Mass. (Harvard University.)
Finney, Gladys D., 1644 Clay St., San Francisco, Calif. (San Francisco Junior College.)
Fireman, Peter, Lambertville, N.J. (Magnetic Pigment Co.)
***Firestone,** Floyd A., University of Michigan, Ann Arbor, Mich.
Fishel, Vinton C., 6813-19th Rd. North, East Falls Church, Va.
Fisher, Russell A., Northwestern University, Evanston, Ill.
***Fisk,** J. B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Fitzsimmons, Kenneth E., 702 High St., Pullman, Wash. (State College of Washington.)
Flanders, Paul B., 57 Winding Way, West Orange, N.J. (Bell Telephone Laboratories.)
Flarsheim, Edwin S., The Liebel-Flarsheim Co., 303 West 3rd St., Cincinnati, Ohio.
Fleisher, Willis, French Wolfe Paint Co., Shunk & Swanson Sts., Philadelphia, Pa.
Fleming, Gertrude, Russell Sage College, Troy, N.Y.
Fleming, James J., 6413 Newgard Ave., Chicago, Ill. (Northwestern University Dental School.)
***Fleming,** John A., Department of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
***Fletcher,** Harvey, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Fletcher, Hazel M., Kansas State College, Manhattan, Kans.
***Flowers,** Alan E., The DeLaval Separator Co., Poughkeepsie, N.Y.
Flowers, John W., General Electric Co., Pittsfield, Mass.
Fluharty, Rex G., 6311-21 N.E., Seattle, Wash. (University of Washington.)
***Focke,** Alfred B., 3301-13th St. N., Arlington, Va. (Brown University and U. S. Navy.)
Fogelsanger, Aldus, Evaporated Metal Films Corp., 436 West State St., Ithaca, N.Y.
***Foley,** Arthur L., 744 East 3rd St., Bloomington, Ind. (Indiana University.)
Foley, Henry M., University of Michigan, Ann Arbor, Mich.
Folsom, Theodore R., Memorial Hospital, 444 East 68th St., New York, N.Y.
***Fonda,** Gorton R., General Electric Co., Schenectady, N.Y.
Foote, Frank G., Cooper Union, New York, N.Y.
***Foote,** Paul D., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Forbes, James E., 80 Eliot St., Milton, Mass. (Massachusetts Institute of Technology.)
Forman, Alexander H., P.O. Box 416, Morgantown, W.Va. (West Virginia University.)
Forman, Guy, College Hghts., Bowling Green, Ky. (Western Kentucky State Teachers College.)
Formwalt, John M., Jefferson City, Tenn.
***Forsythe,** William E., General Electric Co., Nela Park, Cleveland, Ohio.
Fossum, Peter E., 118 Madison St., Northfield, Minn. (St. Olaf College.)
Foster, A. Willena, University of Western Ontario, London, Canada.
Foster, Bruce E., 435 View St., Mountain View, Calif. (National Bureau of Standards.)
***Foster,** Donald, 640 Old Boonton Rd., Boonton, N.J. (Stevens Institute of Technology.)
Foster, Glyn W. A., The British Aluminum Co., Ltd., Kinlochleven, Argyll, Scotland.
***Foster,** J. Stuart, McGill University, Montreal, Canada.
Foster, Mark G., Champion Paper & Fibre Co., Hamilton, Ohio.
***Found,** Clifton G., General Electric Co., Schenectady, N.Y.
Fountain, Claude R., Peabody College, Nashville, Tenn.
Fouts, Omer R., University of Akron, Akron, Ohio.
***Fowle,** Frederick E., 2919 Q St. N.W., Washington, D.C. (Smithsonian Institution.)
Fowler, Allen, Box 517, Fort Jones, Calif. (Siskiyou Union High School.)
Fowler, Charles A., Jr., University of California, Berkeley, Calif.
***Fowler,** Ralph H., Cavendish Laboratory, Cambridge, England.
Fowler, Robert D., The Johns Hopkins University, Baltimore, Md.
***Fowler,** William A., California Institute of Technology, Pasadena, Calif.
Fox, Francis E., 907 Michigan Ave. N.E., Washington, D.C. (Catholic University of America.)
***Fox,** Gerald W., Iowa State College, Ames, Iowa.
Fox, Russell E., University of Virginia, Charlottesville, Va.
Fraim, Parke B., Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
***Franck,** James, University of Chicago, Chicago, Ill.
***Frank,** Nathaniel H., Massachusetts Institute of Technology, Cambridge A, Mass.
Frank, Philipp G., Harvard University, Cambridge, Mass.
Frankel, S. Phillips, University of California, Berkeley, Calif.
Franks, Clifford V., 3605 Denison Ave., Cleveland, Ohio. (The Brush Development Co.)
Fraser, Lorence W., The Victoreen Instrument Co., 5806 Hough Ave., Cleveland, Ohio.
***Frayne,** John G., Electric Research Products, Inc., 6601 Romaine St., Hollywood, Calif.
***Frederick,** Halsey A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Fredrickson, William R., Syracuse University, Syracuse, N.Y.
Freehafer, John E., Newark College of Engineering, Newark, N.J.
Frehafer, M. Katherine, Goucher College, Baltimore, Md.
French, Hobert W., Jr., University of Rochester, Rochester, N.Y.
***Frenkel,** J. E., Industrial Institute, Leningrad, U.S.S.R.
Frese, Verne, West 935 Glass Ave., Spokane, Wash. (J. Frese, Sand, Gravel, and Concrete Co.)
Frey, Austin R., 424 High St., Bethlehem, Pa. (Lehigh University.)
Frey, Bernhard, Freistr., Schaffhausen, Switzerland.
***Friauf,** James B., 2936 North Frederick Ave., Milwaukee, Wis. (E. A. Andrus, Patent Attorney.)
***Fricke,** Hugo, Biological Laboratory, Cold Spring Harbor, N.Y.
Fried, Bernard, Ohio State University, Columbus, Ohio.
Fried, Karl H., Brooklyn College, Brooklyn, N.Y.

Friedman, Francis L., 1108 Garfield St., Madison, Wis. (University of Wisconsin.)
Friedman, Herbert, The Johns Hopkins University, Baltimore, Md.
Friesen, Abraham P., Bethel College, North Newton, Kans.
Frisch, O. R., 109 Oakfield Rd., Birmingham, England.
Frische, Carl A., 111 High St., Leonia, N.J. (Sperry Gyroscope Co.)
Froebes, Philip W., Rockhurst College, Kansas City, Mo.
Froman, Darol K., McGill University, Montreal, Canada.
Frosch, Alex, Humble Oil & Refining Co., P.O. Box 2180, Houston, Tex.
Fry, Arthur S., General Motors Corp., Detroit, Mich.
Fry, Howard M., 509 State St., Lancaster, Pa. (Franklin and Marshall College.)
***Fry,** Thornton C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Frye, Royal M., Boston University, Boston, Mass.
Frye, William E., 5735 Woodlawn Ave., Chicago, Ill.
***Fulcher,** Gordon S., 3647 Van Ness St., Washington, D.C.
Fuller, Harold Q., Albion College, Albion, Mich.
Fullmer, Irvin H., 24 Philadelphia Ave., Takoma Park, Md. (National Bureau of Standards.)
***Furry,** Wendell H., Harvard University, Cambridge, Mass.
Fuson, Nelson, Rutgers University, New Brunswick, N.J.
Fussell, Lewis, Jr., Harvard University, Cambridge, Mass.
Fussler, Karl H., Box 252, Chapel Hill, N.C. (University of North Carolina.)

Gaehr, Paul F., Wells College, Aurora, N.Y.
Gaerttner, Erwin R., Ohio State University, Columbus, Ohio.
Gage, Duncan M., 1320 Hathaway Ave., Lakewood, Ohio. (National Carbon Co.)
Gager, F. Malcolm, 127 Rowe Ter., Auburndale, Mass. (Boston College.)
Gagge, A. Pharo, Pierce Foundation, 290 Congress Ave., New Haven, Conn. (Yale University.)
Gaines, Newton, Texas Christian University, Fort Worth, Tex.
Gale, Grant O., Grinnell College, Grinnell, Iowa.
***Gale,** Henry G., University of Chicago, Chicago, Ill.
***Galli-Shohat,** N., 600 South Eagle Rd., Manoa, Upper Darby, Pa.
Galt, Rogers H., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Galvin, Herman B., National Advisory Committee for Aeronautics, Langley Field, Va.
Gamertsfelder, Carl C., Jr., University of Missouri, Columbia, Mo.
Gamertsfelder, George R., University of Illinois, Urbana, Ill.
***Gamow,** George A., 4 East Thornapple St., Chevy Chase, Md. (George Washington University and Carnegie Institution of Washington.)
Garbuny, Max, Allen-Bradley Co., 1326 South 2nd St., Milwaukee, Wis.
Gard, Orin P., 516 Oxford Ave., Dayton, Ohio. (U. S. Army Air Corps.)
Gardiner, George W., Jr., Box 26, State College, N.Mex. (New Mexico State College.)
Gardner, Eugene, 2218 Durant Ave., Berkeley, Calif. (University of California.)
***Gardner,** Irvine C., 12 Shepherd St., Chevy Chase, Md. (National Bureau of Standards.)
Gardner, Louis W., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Gardner, Milton E., University of California, Davis, Calif.
Gardner, Willard, Utah State Agricultural College, Logan, Utah.
Garland, Daniel L., 5641 Woodmont St., Pittsburgh, Pa. (U. S. Navy.)
Garrett, Milan W., Swarthmore College, Swarthmore, Pa.
Garrett, Paul H., Bard College, Annandale-on-Hudson, N.Y.
Garten, William, Jr., 612 Regester Ave., Govans P.O., Baltimore, Md. (The Johns Hopkins University.)
Garth, Robert C., Brooklyn College, Brooklyn, N.Y.
Gartlein, Carl W., Cornell University, Ithaca, N.Y.
Gast, Paul F., University of Washington, Seattle, Wash.
***Gaviola,** Enrique, Astronomical Observatory, Cordoba, Argentina.
Gay, Malcolm W., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Geballe, Ronald, University of California, Berkeley, Calif.
***Gebhard,** Louis A., U. S. Naval Research Laboratory, Washington, D.C.
Gehman, Samuel D., 214 Kenilworth Dr., Akron, Ohio. (Goodyear Tire & Rubber Co.)
Geib, Irving G., 327 Woodward Ave., Buffalo, N.Y.
Gemant, Andrew, Detroit Edison Co., Detroit, Mich.
Genevese, Frank, University of Michigan, Ann Arbor, Mich.
George, Enoch F., Texas Technological College, Lubbock, Tex.
George, Henry H., 6 Emerson Ave., Crafton, Pa. (Jones & Laughlin Steel Corp.)
George, R. H., 703 North Main St., Lafayette, Ind. (Purdue University.)
Gerhard, Sherman L., United States Rubber Co., Hogansville, Ga.
Gerjuoy, Edward, University of California, Berkeley, Calif.
***Germer,** Lester H., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Getting, Ivan A., 25 Cross St., Belmont, Mass. (Harvard University.)
Giannini, Gabriel M., P.O. Box 40, Vultee Field, Calif. (Vultee Aircraft Inc.)
***Giauque,** William F., University of California, Berkeley, Calif.
Gibbons, John J., 315 West Beaver, State College, Pa.
Gibbons, Willis A., United States Rubber Co., Market & South Sts., Passaic, N.J.
***Gibbs,** R. Clifton, Cornell University, Ithaca, N.Y.
***Gibson,** George E., 2350 Prospect St., Berkeley, Calif. (University of California.)
***Gibson,** Kasson S., National Bureau of Standards, Washington, D.C.
Giddings, Glenn W., R.R. 4, Greencastle, Ind. (DePauw University.)
Gilbert, Charles W., Jesus College, Cambridge, England.
Gilbert, John J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Gilbert,** Norman E., Dartmouth College, Hanover, N.H.
Gilbert, William P., 1038 East Eldorado St., Appleton, Wis. (Lawrence College.)
Gilbertson, Harris C., Midland College, Fremont, Nebr.
***Gilchrist,** Lachlan, University of Toronto, Toronto, Canada.
Gildart, Lee W., The Dow Chemical Co., Midland, Mich.
Gill, Piara S., V. Chela, P.O. Kot-Fatuhi, Dist. Hoshiar Pur, Punjab, India.
Gillett, Horace W., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
Gilmer, Thomas E., Hampden-Sydney, Va. (Hampden-Sydney College.)
Gilroy, Helen T., Rydal Rd., Noble, Jenkintown, Pa. (Beaver College.)
***Gingrich,** Newell S., University of Missouri, Columbia, Mo.
Ginsburg, Nathan, Temple Gardens, Madison at Cloverdale, Baltimore, Md. (The Johns Hopkins University.)
***Gish,** Oliver H., Department of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
Githens, Sherwood, Jr., Box 422, Wake Forest, N.C. (Wake Forest College.)
Givens, John W., Picatinney Arsenal, Dover, N.J. (Shell Development Co.)
Gladden, Sanford C., 1004 South 11th St., Oxford, Miss. (University of Mississippi.)
Glahe, Harold C., Niagara University, Niagara University, N.Y.
Glasoe, G. Norris, Columbia University, New York, N.Y.
Glasser, Leo G., R.D. No. 3, Tunkhannock, Pa.
***Glasser,** Otto, Cleveland Clinic, 2049 East 93rd St., Cleveland, Ohio.
Glassner, Alvin, 250 West 104th St., New York, N.Y.
Glathart, Justin L., 3015 Leverett Ave., Alton, Ill. (Shurtleff College.)
Gleason, Paul R., 26 Payne St., Hamilton, N.Y. (Colgate University.)
Glenn, Earl R., New Jersey State Teachers College, Montclair, N.J.
***Glockler,** George, State University of Iowa, Iowa City, Iowa.
Glover, Alan M., RCA Manufacturing Co., Harrison, N.J.
Goble, Alfred T., P.O. Box 585, Alfred, N.Y. (Alfred University.)
Goddard, Robert H., P.O. Box 978, Roswell, N.Mex. (Clark University.)
***Goetz,** Alexander, California Institute of Technology, Pasadena, Calif.
Golay, Marcel J. E., 372 Hollywood Ave., West End, N.J. (Signal Corps Laboratories.)

Goldberg, Bernard, 219 West 13th St., New York, N.Y. (Schori Process Corp.)
***Goldhaber,** Moritz, University of Illinois, Urbana, Ill.
***Goldsmith,** Alfred N., 580 Fifth Ave., New York, N.Y.
Goldsmith, Hyman H., College of the City of New York, New York, N.Y.
Goldsmith, Thomas T., Jr., 69 Rugby Rd., Cedar Grove, N.J. (The Allen B. DuMont Laboratories, Inc.)
Goldstein, Herbert, 911 Walton Ave., New York, N.Y. (College of the City of New York.)
Golovin, Nicholas, 520 East 11th St., New York, N.Y. (R. H. Macy & Co.)
Good, William E., University of Illinois, Urbana, Ill.
Goodman, Clark, Massachusetts Institute of Technology, Cambridge A, Mass.
Goodrich, Max, Louisiana State University, University, La.
***Goodspeed,** Arthur W., 4304 Chestnut St., West Philadelphia, Pa. (University of Pennsylvania.)
***Goodwin,** Harry M., Massachusetts Institute of Technology, Cambridge A, Mass.
Goodwin, Ralph A., Fort Hays Kansas State College, Hays, Kans.
Goodwin, W. Nelson, Jr., 30 Scheerer Ave., Newark, N.J. (Weston Electric Instrument Corp.)
Goranson, Roy W., Geophysical Laboratory, 2801 Upton St. N.W., Washington, D.C.
***Gordon,** C. McCheyne, Lafayette College, Easton, Pa.
***Gordy,** Walter, Mary Hardin-Baylor College, Belton, Tex.
Gore, Robert C., University of Illinois, Urbana, Ill.
Gorham, John E., 320 Bath Ave., Long Branch, N.J. (Signal Corps Laboratories.)
Gorrill, W. Sterling, 127 Willow St., Brooklyn, N.Y. (Sperry Gyroscope Co., Inc.)
Gorton, William S., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Goslin, Roy N., 112 Ross St., Auburn, Ala. (Alabama Polytechnic Institute.)
Goss, Norman P., 269 Erskine Ave., Youngstown, Ohio. (Cold Metal Process Co.)
Goss, Wilbur H., New Mexico State College, State College, N.Mex.
***Goucher,** Frederick S., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Goudsmit,** Samuel A., University of Michigan, Ann Arbor, Mich.
Gowdy, Robert C., University of Cincinnati, Cincinnati, Ohio.
Grabau, Martin, 7 Maynard Pl., Cambridge, Mass. (The Polaroid Corp.)
Grabbe, Eugene M., United States Rubber Co., Passaic, N.J.
Graber, Myron E., Morningside College, Sioux City, Iowa.
Graham, John R., Jr., 111 Berkeley Dr., Syracuse, N.Y. (Syracuse University.)
Grahame, David C., Amherst College, Amherst, Mass.
***Granath,** Louis P., New York University, University Hghts., New York, N.Y.
Grant, Archie C., 15 Prentice St., Cambridge, Mass. (Harvard University.)
Grant, Royal E., P.O. Box 15, Essex, Conn.
Grantham, Guy E., Cornell University, Ithaca, N.Y.
Graves, Alvin C., University of Texas, Austin, Tex.
Graves, Robert W., Duke School of Medicine, Durham, N.C.
***Gray,** Arthur W., 512 Colonial Ave., Westfield, N.J.
***Gray,** Frank, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Gray, G. Francis, 25 Bayview Ave., South Norwalk, Conn. (Precision Laboratories, Inc.)
***Gray,** Joseph A., Queen's University, Kingston, Canada.
Gray, Newton M., College of the City of New York, New York, N.Y.
Gray, Robert B., 332 North Craig St., Pittsburgh, Pa. (University of Pittsburgh.)
***Grayson-Smith,** Hugh, University of Toronto, Toronto, Canada.
Grebe, John J., 612 East Pine St., Midland, Mich. (The Dow Chemical Co.)
Green, Charles B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Green, Edward H., Brooklyn College, Brooklyn, N.Y.
Green, Harold D., Western Reserve University, Cleveland, Ohio.
***Green,** Jerome B., Ohio State University, Columbus, Ohio.
Green, Louis C., 687 Graff Ave., Meadville, Pa. (Allegheny College.)
Green, Warren K., Amherst College Observatory, Amherst, Mass.
Greenberg, M. Mendel, University of California, Berkeley, Calif.
Greene, Clarence W., Albany College, Portland, Ore.
Greenfield, Eugene W., 41 Fraser Pl., Hastings-on-Hudson, N.Y. (Anaconda Wire & Cable Co)
Greenfield, Moses A., 1860 Clydesdale Pl. N.W., Washington, D.C.
Greenland, Miles G., 3256 D St., Philadelphia, Pa. (U. S. Navy Aircraft Factory.)
Greenlaw, Frank M., 36 Bull St., Newport, R.I.
Greenlees, A. Lloyd, Rutgers University, New Brunswick, N.J.
***Greenslade,** Grover R., Box 100, Route 5, Crafton, Pittsburgh, Pa. (Flannery Bolt Co.)
Gregg, Earle C., Jr., 317 East 195, Euclid, Ohio.
Gregg, Robert Q., University of Missouri, Columbia, Mo.
Greibach, Emil H., 163 Ocean Ave., Brooklyn, N.Y. (E. H. Greibach Research & Development Laboratory.)
Greisen, Kenneth, Cornell University, Ithaca, N.Y.
Greuling, E. Lynn, 215 West 14th St., Bloomington, Ind. (Indiana University.)
Griesheimer, Rudolph N., The Mead Corp., Chillicothe, Ohio.
Grimm, Samuel O., Annville, Pa. (Lebanon Valley College.)
Grisdale, Richard O., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Grisewood, Edgar N., P.O. Box 12, Mahwah, N.J. (New York University.)
Grönblom, Berndt O., Havsgatan 7, Helsingfors, Finland.
***Grondahl,** Lars O., Union Switch & Signal Co., Swissvale, Pa.
Gross, Bernhard, National Institute of Technology, Rio de Janeiro, Brazil.
***Gross,** Paul M., Duke University, Durham, N.C.
Gross, Wilbur E., 866 Thurston Rd., Rochester, N.Y. (University of Rochester.)
Grossman, Harold H., University of Michigan, Ann Arbor, Mich.
***Grover,** Frederick W., Union College, Schenectady, N.Y.
Grover, Horace J., Rensselaer Polytechnic Institute, Troy, N.Y.
Guillemin, Victor, Jr., 189 Jason St., Arlington, Mass. (Harvard University.)
***Gunn,** Ross, U. S. Naval Research Laboratory, Washington, D.C.
Gustafson, Raymond, 328 South 10th St., Salina, Kans. (Washington University.)
Gutenberg, Beno, Seismological Laboratory, 220 North San Rafael Ave., Pasadena, Calif.
***Guth,** Eugene, P.O. Box 176, Notre Dame, Ind. (University of Notre Dame.)
Guthrie, Albert N., Rhode Island State College, Kingston, R.I.
Guthrie, Andrew, Purdue University, Lafayette, Ind.
Guthrie, David V., Louisiana State University, University, La.
Guyer, Edwin M., 117 East 5th St., Corning, N. Y. (Corning Glass Works.)
Guzik, N. J., 3206 Baring St., Philadelphia, Pa.

***Haas,** Arthur, University of Notre Dame, Notre Dame, Ind.
Hablutzel, Charles E., Arizona State Teachers College, Flagstaff, Ariz.
***Hackett,** Felix E., College of Science, Dublin, Ireland.
Haddock, Frederick T., Jr., 484 Beacon St., Boston, Mass. (Massachusetts Institute of Technology.)
Hafner, Everett M., University of Rochester, Rochester, N.Y.
***Hafstad,** Lawrence R., Department of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
***Hagenbach,** August, 82 Kingelbergstr., Basel, Switzerland.
Hagenow, Charles F., Washington University, St. Louis, Mo.
Haggstrom, Edith, Columbia University, New York, N.Y.
Hagstrum, Homer D., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Hahn, Thomas M., 139 Hamilton Pk., Lexington, Ky. (University of Kentucky.)
Hahn, William C., R.D. No. 2, Spring Rd., Scotia, N.Y.
Hai, Zaimoku, Osaka Imperial University, Osaka, Japan.
Hake, Joseph W., 608 College Ave., Maryville, Mo. (State Teachers College.)
Hale, C. F., New York State College for Teachers, Albany, N.Y.
Hale, Donald H., Base Chemical Office, McChord Field, Wash. (General Geophysical Co.)

Hall, Clarence A., Electric Storage Battery Co., 19th & Allegheny Ave., Philadelphia, Pa.
Hall, Harry H., Durham, N.H. (University of New Hampshire.)
Hall, Harvey, 449 West 123rd St., New York, N.Y. (College of the City of New York.)
Hall, Maurice B., Duke University, Durham, N.C.
Hall, Voris B., Bucknell University Junior College, Wilkes-Barre, Pa.
Hall, Wayne, C., U. S. Naval Research Laboratory, Washington, D.C.
Haller, Cecil E., RCA Manufacturing Co., Harrison, N.J.
Halliday, David, University of Pittsburgh, Pittsburgh, Pa.
Halpern, Julius, University of California, Berkeley, Calif.
***Halpern,** Otto, New York University, University Hghts., New York, N.Y.
Ham, Lloyd B., University of Arkansas, Fayetteville, Ark.
***Ham,** William R., Pennsylvania State College, State College, Pa.
Ham, William T., University of Virginia, Charlottesville, Va.
Hamada, Shigenori, Tokyo Shibaura Denki K. K., Kawasaki, Kanagawaken, Japan.
Hamermesh, Morton, 1061 Bergen St., Brooklyn, N.Y.
Hamilton, Donald R., 186 Lakeview Ave., Cambridge, Mass. (Harvard University.)
Hammar, Gustaf W., University of Idaho, Moscow, Idaho.
Hammer, Clarence, University of Wisconsin, Madison, Wis.
Hammer, Sigmund I., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Hammond, Harry E., 611 South 4th St., Columbia, Mo. (University of Missouri.)
Hammond, Philo F., University of Wyoming, Laramie, Wyo.
Hamsher, Donald H., Signal Corps Laboratories, Fort Monmouth, Oceanport, N.J.
***Hanawalt,** Joseph D., The Dow Chemical Co., Midland, Mich.
Hancock, J. Ogden, Purdue University, Lafayette, Ind.
Hancox, Robert R., 94 South 7th Ave., LaGrange, Ill. (Wilson Junior College.)
Hansche, George E., Rose Polytechnic Institute, Terre Haute, Ind.
Hanscome, Thomas D., University of Minnesota, Minneapolis, Minn.
***Hansen,** William W., Box 1124, Stanford University, Calif. (Stanford University.)
Hanson, Alfred O., University of Wisconsin, Madison, Wis.
Hanson, Alvin W., The Citadel, Charleston, S.C.
Hanson, Elmo E., 823 Hardesty Blvd., Akron, Ohio. (Firestone Tire & Rubber Co.)
Hanwick, Theodore J., 67-93rd St., Brooklyn, N.Y. (New York University.)
Harding, John M., University of Washington, Seattle, Wash.
***Hardy,** Arthur C., Massachusetts Institute of Technology, Cambridge A, Mass.
Hardy, Howard C., Pennsylvania State College, State College, Pa.
***Hardy,** James D., Russell Sage Institute of Pathology, 525 East 68th St., New York, N.Y.
Hardy, Truly C., 500 West 140th St., New York, N.Y. (College of the City of New York.)
Hargitt, Thomas F., 7 Norbloom Ave., Bloomington, Ill. (Illinois Wesleyan University.)
***Harkins,** W. D., University of Chicago, Chicago, Ill.
***Harnwell,** Gaylord P., University of Pennsylvania, Philadelphia, Pa.
Harper, Joseph P., University of Scranton, Scranton, Pa.
***Harrington,** Ertle L., University of Saskatchewan, Saskatoon, Canada.
Harrington, Marshall C., Drew University, Madison, N.J.
Harrington, Robert A., 277 Storer Ave., Akron, Ohio. (The B. F. Goodrich Co.)
Harris, Lawrence, 383 Bainbridge St., Brooklyn, N.Y. (Chelsea Vocational High School.)
Harris, Preston M., Ohio State University, Columbus, Ohio.
Harris, Roscoe E., 5 College Campus, Lake Forest, Ill. (Lake Forest College.)
Harris, Sidon, Box 1410, Stanolind Oil & Gas Co., Fort Worth, Tex.
Harris, Wilbur, 26 Chauncey Ave., Rumford, R.I. (United States Rubber Co.)
***Harrison,** George R., Massachusetts Institute of Technology, Cambridge A, Mass.
Harrison, Henry, Massachusetts Institute of Technology, Cambridge A, Mass.
Harrison, Jamison R., Tufts College, Medford, Mass.
Harrison, Thomas R., Brown Instrument Co., Wayne & Roberts Aves., Philadelphia, Pa.
Hart, Philip J., Carbon College, Price, Utah.
Hartig, Henry E., 3940 Lake Curve Ave., Robbinsdale, Minn. (University of Minnesota.)
***Hartley,** Ralph V. L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Hartman, Charles D., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Hartman, Lawton M., III, 69 Howe St., New Haven, Conn. (Yale University.)
***Hartman,** Leon W., University of Nevada, Reno, Nev.
Hartmann, Gregory K., University of New Hampshire, Durham, N.H.
Harty, John H., 607 Sunset Ct., Cape Girardeau, Mo. (Southeast Missouri State Teachers College.)
Hartzler, H. Harold, Goshen College, Goshen, Ind.
***Harvey,** George G., Massachusetts Institute of Technology, Cambridge A, Mass.
Haseltine, William R., University of California, Berkeley, Calif.
Haskell, Norman A., 16 Crites Bldg., Bakersfield, Calif. (Western Geophysical Co.)
***Haskins,** Caryl P., Haskins Laboratories, Inc., 480 Lexington Ave., New York, N.Y.
Hasler, Maurice F., Applied Research Laboratories, 1208 San Julian St., Los Angeles, Calif.
Hasunuma, Hirosi, 1504 Yoyogi-Tomigaya mati, Sibuya-ku, Tokyo, Japan. (Tokyo Imperial University.)
Hatfield, T. N., Louisiana State University, University, La.
Hatley, Charles C., Duke University, Durham, N.C.
Haupt, Curtis R., Pomona College, Claremont, Calif.
Hause, Clarence D., Michigan State College, East Lansing, Mich.
***Hausmann,** Erich, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
Haussmann, Alfred C., 346 Pulteny St., Geneva, N.Y. (Hobart College.)
Havens, Ralph J., University of Wisconsin, Madison, Wis.
Havens, William W., Jr., Columbia University, New York, N.Y.
Haverstick, Earl J., 405-26th Ave., Altoona, Pa. (Altoona Senior High School.)
Hawkes, John B., Stevens Institute of Technology, Hoboken, N.J.
Hawkins, George A., 701 Crestview, Lafayette, Ind. (Purdue University.)
***Haworth,** Francis E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Haworth,** Leland J., University of Illinois, Urbana, Ill.
Haxby, Robert O., Sperry Gyroscope Co., Inc., Stewart Ave. & Clinton Rd., Garden City, N.Y.
Hay, Oscar L., 718 Seventh St., Marietta, Ohio. (U. S. Navy.)
Hay, Robert H., c/o R. J. Lancaster, Napanee, Ontario, Canada. (National Research Council.)
Hayakawa, Goro, Tokyo Imperial University, Tokyo, Japan.
Hayden, Charles K., Creighton University, Omaha, Nebr.
***Hayes,** Harvey C., 3216 Newark St. N.W., Washington, D.C. (U. S. Naval Research Laboratory.)
Hayner, Lucy J., Columbia University, New York, N.Y.
Haynes, J. Richards, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Haynes, Sherwood K., Brown University, Providence, R.I.
Hays, Margaret B., Bureau of Home Economics, U. S. Dept. of Agriculture, Washington, D.C.
Hayward, John T., P.O. Box 2039, Tulsa, Okla. (Barnsdall Oil Co.)
***Hazeltine,** Alan, Stevens Institute of Technology, Hoboken, N.J.
Hazen, Thomas, Bakelite Corp., 230 Grove St., Bloomfield, N.J.
Headrick, Lewis B., RCA Manufacturing Co., Harrison, N.J.
Healea, Monica, Vassar College, Poughkeepsie, N.Y.
***Heaps,** Claude W., The Rice Institute, Houston, Tex.
Hebb, Malcolm H., Duke University, Durham, N.C.
***Hector,** L. Grant, University of Buffalo, Buffalo, N.Y.
Heflin, Sterling M., 508 Highland Rd., Lexington, Va. (Virginia Military Institute.)
Heil, H. G., Ohio State University, Columbus, Ohio.
Heil, Louis M., 5807 Dorchester Ave., Chicago, Ill. (University of Chicago.)
Heilprin, Laurence B., 14 Sacramento St., Cambridge, Mass. (Northeastern University.)

*Heising, Raymond A., 232 Oak Ridge Ave., Summit, N.J. (Bell Telephone Laboratories.)
Heller, Ralph, Yale University, New Haven, Conn.
*Heller, Wilfried, University of Minnesota, Minneapolis, Minn.
Helmholz, A. Carl, University of California, Berkeley, Calif.
Helz, Armin W., P.O. Box 5, Milltown, N.J.
Hemingway, Allan, University of Minnesota, Minneapolis, Minn.
Hemingway, Gayle, 241 Cecil St. S.E., Minneapolis, Minn.
Hemmendinger, Arthur, University of Oklahoma, Norman, Okla.
*Henderson, Joseph E., University of Washington, Seattle, Wash.
*Henderson, Malcolm C., Dartmouth College, Hanover, N.H.
Henderson, William J., Purdue University, Lafayette, Ind.
Hendren, Linville L., University of Georgia, Athens, Ga.
Hendricks, Jesse C., P.O. Box 82, Clemson, S.C. (Clemson College.)
*Hendricks, Sterling B., 3045 Albemarle St. N.W., Washington, D.C. (U. S. Dept. of Agriculture.)
*Hennings, Albert E., University of British Columbia, Vancouver, Canada.
Henry, Hugh F., College of the Ozarks, Clarksville, Ark.
Henshaw, Clement L., Colgate University, Hamilton, N.Y.
Hepburn, Ann B., New York University, University Hghts., New York, N.Y.
Hepburn, Dugald, R.R. No. 2, Port Credit, Ontario, Canada. (Rogers Majestic Corp.)
*Herb, Raymond G., Massachusetts Institute of Technology, Cambridge A, Mass. (University of Wisconsin.)
Hergenrother, Rudolf C., 166–41 17th Ave., Beechhurst, N.Y.
Herget, Carl M., New York Hospital, New York, N.Y. (Russell Sage Institute of Pathology.)
Herman, Alva L., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
Herman, Robert C., University of Pennsylvania, Philadelphia, Pa.
Herrick, Julia F., Mayo Foundation, Rochester, Minn.
Herring, Conyers, University of Missouri, Columbia, Mo.
Herrington, Harold W., 180 Varick St., New York, N.Y. (Bell Telephone Laboratories.)
Hersey, John B., Lehigh University, Bethlehem, Pa.
*Hersey, Mayo D., Morgan Construction Co., 15 Belmont St., Worcester, Mass.
Hershberger, W. Delmar, RCA Manufacturing Co., Camden, N.J.
Hershey, Allen V., U. S. Naval Proving Ground, Dahlgren, Va.
Hertel, Kenneth L., University of Tennessee, Knoxville, Tenn.
Hervey, John P., Cornell University Medical College, New York, N.Y.
*Herzberg, Gerhard, University of Saskatchewan, Saskatoon, Canada.
*Herzfeld, Karl F., Catholic University of America, Washington, D.C.
Herzog, Gerhard, 2131 Maroneal Blvd., Houston, Tex. (The Texas Co.)
*Hess, Victor, Fordham University; New York, N.Y.
Hesthal, Cedric E., 4356 Olentangy Blvd., Columbus, Ohio. (Ohio State University)
Hetle, Erik, Northfield, Minn. (St. Olaf College.)
Hett, John H., Manhattan College, New York, N.Y.
*Hewlett, Clarence W., 1770 Wendell Ave., Schenectady, N.Y. (General Electric Co.)
Hewlett, Mary S., University of Wisconsin, Madison, Wis.
Heydenburg, Norman P., Dept. of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
*Heyl, Paul R., National Bureau of Standards, Washington, D.C.
Heyworth, Dorothy, Wellesley College, Wellesley, Mass.
*Hickman, Clarence N., 3536-79th St., Jackson Hghts., N.Y. (Bell Telephone Laboratories.)
Hickman, Roger W., Harvard University, Cambridge, Mass.
Hicks, Bruce L., R.F.D. Route 3, Hampton, Va. (National Advisory Committee for Aeronautics.)
Hicks, Victor, Westinghouse X-Ray Co., 21-16 43rd Ave., Long Island City, N.Y.
Higgins, George C., Polytechnic, Mont. (Billings Polytechnic Institute.)
Hight, Stuart C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Higinbotham, William A., Cornell University, Ithaca, N.Y.
Hilberry, Norman, New York University, University Hghts., New York, N.Y.
*Hildebrand, Joel H., University of California, Berkeley, Calif.
Hill, Albert G., Massachusetts Institute of Technology, Cambridge A, Mass.
Hill, Charles F., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Hill, Donald M., Elizabethtown College, Elizabethtown, Pa.
*Hill, Edward L., University of Minnesota, Minneapolis, Minn.
Hill, Freeman K., University of Washington, Seattle, Wash.
Hill, Harry, 2410–22nd St., Lubbock, Tex. (Texas Technological College.)
Hill, Lawrence R., 508 Sherwood Rd., Forest Hills, Pittsburgh, Pa. (Westinghouse Electric & Manufacturing Co.)
Hill, Sister M. Laetitia, Our Lady of the Lake College, San Antonio, Tex.
Hill, Robert D., University of Melbourne, Carlton N. 3, Australia.
Hinkle, John M., University of Michigan, Ann Arbor, Mich.
Hinman, Donald D., General Electric Co., Nela Park, Cleveland, Ohio.
Hipple, John A., Jr., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Hire, Charles, Murray State Teachers College, Murray, Ky.
Hirschfelder, Joseph O., University of Wisconsin, Madison, Wis.
Hirsh, Frederick R., Jr., California Institute of Technology, Pasadena, Calif.
Hitchcock, William J., 70 Winthrop St., Roxbury, Mass. (Massachusetts Institute of Technology.)
Hoadley, George B., 121 Eighth Ave., Sea Cliff, N.Y. (Polytechnic Institute of Brooklyn.)
*Hoag, J. Barton, U. S. Coast Guard Academy, New London, Conn.
Hoard, James L., Cornell University, Ithaca, N.Y.
Hobart, Garret A., 3rd., Tuxedo Park, N.Y. (Loomis Foundation for Scientific Research.)
Hobbie, John R., Skidmore College, Saratoga Springs, N.Y.
Hocker, James P., Massachusetts Institute of Technology, Cambridge A, Mass.
Hodge, Mary W., Box 595, University, Miss. (University of Mississippi.)
*Hodgman, Charles D., Case School of Applied Science, Cleveland, Ohio.
Hoecker, Frank E., University of Kansas City, Kansas City, Mo.
Hoersch, Victor A., 909 South 1st St., Champaign, Ill. (University of Illinois.)
Hoffman, Joseph G., 13 High St., Buffalo, N.Y. (State Institute for the Study of Malignant Disease.)
Hoffman, Samuel O., 835 Howard St., San Francisco, Calif. (Samuel O. Hoffman Company.)
Hoffmann, Banesh, 140–30 Sanford Ave., Flushing, N.Y. (Queens College.)
Hofstadter, Robert, University of Pennsylvania, Philadelphia, Pa.
Hoge, Harold J., National Bureau of Standards, Washington, D.C.
*Hogg, John L., 18 Webster Pl., East Orange, N.J.
Hoisington, Laurence E., Ordnance Laboratory, U. S. Navy, Washington, D.C.
Holdam, J. Vance, Jr., University of Michigan, Ann Arbor, Mich.
Hole, Winston L., Elmhurst College, Elmhurst, Ill.
Hollaender, Alexander, National Institute of Health, Bethesda, Md.
Hollenberg, Arthur V., 116–50 218th St., St. Albans, N.Y. (Queens College.)
Holley, Clifford, University of Chicago, Chicago, Ill.
Hollomon, John H., 33 Bay State Rd., Boston, Mass.
Holloway, Marshall G., Cornell University, Ithaca, N.Y.
Holmes, Frederick T., Box 1068, University Station, Charlottesville, Va. (University of Virginia.)
Holmes, Ralph M. 140 Ledge Rd., Burlington, Vt. (University of Vermont.)
Holmquest, H. J., 826 North Elmwood Ave., Oak Park, Ill.
Holroyd, Howard B., Plymouth, Iowa.
Holstein, Theodore D., 923 Walton Ave., New York, N.Y. (New York University.)
Holter, Norman J., 1203 Park Way, Beverly Hills, Calif. (University of California at Los Angeles.)
*Holzer, Robert E., University of New Mexico, Albuquerque, N.Mex.
Homan, John G., 8700 Ventnor Ave., Atlantic City, N.J.
Hooper, James R., Jr., Williams College, Williamstown, Mass.
Hooper, William J., The Principia College, Elsah, Ill.
Hootman, James A., National Advisory Committee for Aeronautics, Langley Field, Va.
Hopfield, Helen S., 4304 Luann Ave., Toledo, Ohio.
*Hopfield, John J., Owens-Libbey-Ford Glass Co., Toledo, Ohio.

Hopkins, John I., 222 Chamberlain St., Raleigh, N.C. (North Carolina State College.)
Horie, Tadao, Tokyo Imperial University, Tokyo, Japan.
Horiuti, Juro, Hokkaido Imperial University, Sapporo, Japan.
Hornbeck, George A., 828 Sycamore St., Rocky Mount, N.C. (University of North Carolina.)
Hornbeck, John W., Kalamazoo College, Kalamazoo, Mich.
Horsfall, R. Bruce, Jr., Bausch & Lomb Optical Co., 642 St. Paul St., Rochester, N.Y.
Horton, A. W., Jr., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Horton, George W., 1002 South Grant Ave., Crawfordsville, Ind. (Wabash College.)
Horton, J. Warren, Massachusetts Institute of Technology, Cambridge A, Mass.
Horvath, William J., 31-18 34th St., Long Island City, N.Y. (Bureau of Ordnance, U. S. Navy.)
Horvay, Gabriel, 2641 Dennis St., Cincinnati, Ohio. (University of Cincinnati.)
Hosterman, Ralph C., Carbide & Carbon Chemicals Corp., South Charleston, W.Va.
Houghton, Henry G., Jr., Massachusetts Institute of Technology, Cambridge A, Mass.
Householder, Fred F., University of Akron, Akron, Ohio.
Houston, Charles E., 1811 McDuffie, Houston, Tex. (Humble Oil & Refining Co.)
***Houston,** William V., California Institute of Technology, Pasadena, Calif.
Hovda, Olaf, 519 South Rotherwood Ave., Evansville, Ind. (Evansville College.)
Howard, Robert A., Box 1122, St. Elmo, Ill. (Carter Oil Co.)
Howe, Harley, 108 Brandon Pl., Ithaca, N.Y. (Cornell University.)
Howell, Lynn G., 3208 Austin St., Houston, Tex. (Humble Oil & Refining Co.)
***Hower,** Harry S., Carnegie Institute of Technology, Pittsburgh, Pa.
Howes, Douglas E., Norwich University, Northfield, Vt.
***Howes,** Horace L., 29 Bagdad Rd., Durham, N.H. (University of New Hampshire.)
Howey, Joseph H., Georgia School of Technology, Atlanta, Ga.
Howlett, Berton A., Rose Polytechnic Institute, Terre Haute, Ind.
***Hoxton,** Llewellyn G., University of Virginia, Charlottesville, Va.
Hoyler, Cyril N., Moravian College, Bethlehem, Pa.
***Hoyt,** Frank C., University of Chicago, Chicago, Ill.
Hoyt, Howard C., 4313 Cortland, Detroit, Mich. (Wayne University.)
Hoyt, John E., 304 Brookline Blvd., Upper Darby, Pa. (Philadelphia Board of Education and Drexel Institute of Technology.)
Hu, Kang-Fuh, La Universitato Utopia, Shanghai, China.
***Hubbard,** John C., The Johns Hopkins University, Baltimore, Md.
Hubbard, Karl H., Taylor Instrument Cos., 95 Ames St., Rochester, N.Y.
Hubbell, Harry H., Jr., Wesleyan University, Middletown, Conn.
Huber, Paul K., Oberglatt, Zürich, Switzerland. (Swiss Federal Institute of Technology.)
Hudes, Isidore, Brooklyn College, Brooklyn, N.Y.
Hudiburg, Leo E., Kansas State College, Manhattan, Kans.
Hudson, Colin M., Frankford Arsenal, Philadelphia, Pa.
Hudson, Gilbert G., University of California, Berkeley, Calif.
Hudson, J. Cramer, Collis P. Huntington Memorial Hospital, 695 Huntington Ave., Boston, Mass. (Harvard University Medical School.)
Hudspeth, Emmett, Bartol Research Foundation, Swarthmore, Pa.
Huff, Lorenz D., Box 1423, Clemson, S.C. (Clemson Agricultural College.)
Huff, Thomas E., 1006 Allston Rd., Upper Darby, Pa. (Philadelphia Board of Education.)
Hufford, Mason E., 514 Woodlawn Ave., Bloomington, Ind. (Indiana University.)
Huggins, Maurice L., Eastman Kodak Co., Rochester, N.Y.
***Hughes,** Arthur L., Washington University, St. Louis, Mo.
Hughes, Darrell S., Shell Oil Co., Shell Bldg., Houston, Tex.
Hughes, Harold K., Columbia University, New York, N.Y. (University of Newark.)
Hukusima, Hirosi, 760 Sendagaya 4-tiome, Sibuyaku, Tokyo, Japan. (Institute of Physical and Chemical Research.)
***Hulburt,** Edward O., U. S. Naval Research Laboratory, Washington, D.C.
***Hull,** Albert W., General Electric Co., Schenectady, N.Y.
Hull, Donald E., University of Minnesota, Minneapolis, Minn.
***Hull,** Gordon F., 5 Parkway, Hanover, N.H. (Dartmouth College.)
Hull, Gordon F., Jr., 49 Franklin St., Morristown, N.J. (Bell Telephone Laboratories.)
Hull, Harvard L., Sperry Gyroscope Co., Inc., Manhattan Bridge Plaza, Brooklyn, N.Y.
Hull, Lewis M., Aircraft Radio Corp., Boonton, N.J.
Hulswit, William H., Jr., United States Rubber Co., Detroit, Mich.
Hume, William, II, University of New Mexico, Albuquerque, N.Mex.
Hummel, Arnim D., West Main, Richmond, Ky. (Eastern Kentucky State Teachers College.)
Humphreys, Curtis J., National Bureau of Standards, Washington, D.C.
Humphreys, Ivan, University of Washington, Seattle, Wash.
Humphreys, Richard F., Yale University, New Haven, Conn.
***Humphreys,** William J., Cosmos Club, Washington, D.C. (U. S. Weather Bureau.)
***Hunsaker,** Jerome C., Massachusetts Institute of Technology, Cambridge A, Mass.
***Hunt,** Franklin L., 81 Woodlawn Ave., Summit, N.J. (Bell Telephone Laboratories.)
***Hunt,** Frederick V., 4 Glenn Rd., Belmont, Mass. (Harvard University.)
Hunt, John H., General Motors Corp., Detroit, Mich.
Hunter, John McN., Virginia State College, Ettrick, Va.
Huntington, Hillard B., University of Pennsylvania, Philadelphia, Pa.
Huntoon, Robert D., Hygrade Sylvania Corp., Emporium, Pa.
Huppert, William, 20 East 67th St., New York, N.Y. (H. Goodman & Sons.)
Hurlburt, Everett H., 1302 East 141st St., East Cleveland, Ohio. (Fenn College.)
Hurley, William P., 2294 University Ave., New York, N.Y. (Fordham University.)
Hurst, Donald G., National Research Council, Ottawa, Canada.
Hurst, William, Humble Oil & Refining Co., Houston, Tex.
Hush, James J., University of Wisconsin, Madison, Wis.
Hustrulid, Andrew, University Farm, St. Paul, Minn. (University of Minnesota.)
Hutchinson, Charles L., 1240 Delaware Ave., Buffalo, N.Y. (E. I. du Pont de Nemours & Co.)
***Hutchisson,** Elmer, University of Pittsburgh, Pittsburgh, Pa.
Hutner, Reina A., 97 Maple St., Waltham, Mass.
Hutter, Edwin C., 15 Faculty Apts., University, Charlottesville, Va. (University of Virginia.)
***Huxford,** Walter S., 2606 Hartzell St., Evanston, Ill. (Northwestern University.)
Hylan, Malcolm C., University of Colorado, Boulder, Colo.
Hyman, Hugh H., Henderson State Teachers College, Arkadelphia, Ark.
Hyslop, William H., University of Denver, Denver, Colo.

Ikeda, Yoshiro, Hokkaido Teikoku Daigaku, Sapporo, Japan.
Imahori, Hiromi, Hitachi Engineering Works, Sukegawa, Ibaraki-ken, Japan.
Imanishi, Sunao, 213, Jigyo-Higasi-Mati, Fukuoka, Japan. (Kyushu Imperial University.)
Imaoka, Yoshio, 45 Minami-cho, 5-chome, Aoyama, Tokyo, Japan.
Imes, Elmer S., Fisk University, Nashville, Tenn.
Infeld, Leopold, University of Toronto, Toronto, Canada.
***Ingersoll,** Leonard R., 1933 West Lawn Ave., Madison, Wis. (University of Wisconsin.)
Inglis, David R., 3728 Tudor Arms Ave., Baltimore, Md. (The Johns Hopkins University.)
***Ingram,** Sydney B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Inuzuka, H., Omoriku Magome Higashi 1-chome 1174, Tokyo, Japan. (Tokyo Shibaura Electric Co.)
Ireland, Clarence E., St. Peter's College, Jersey City, N.J.
Irion, Clarence E., 91 Watchung Ave., Montclair, N.J. (General Printing Ink Corp.)
Irish, Gene, University of Minnesota, Minneapolis, Minn.

Irvine, John W., Jr., Massachusetts Institute of Technology, Cambridge A, Mass.
Irwin, George R., 3211 Wheeler Rd. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
Iskenderian, Haig, 530 Riverside Dr., New York, N.Y. (Pratt Institute.)
Issiki, T., Tokyo Shibaura Denki Kaisha, Turumi, Yokohama, Japan.
Itoh, Junkichi, Ushigamihigashi, Sumiyoshi-mura, Hyogoken, Japan.
Ittmann, George P., Philips Lampworks, Eindhoven, Holland.
***Ives,** Herbert E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Ives,** James E., Cosmos Club, Washington, D.C.
Iwata, Giiti, Imperial Fisheries Institute, Hukagawa, Tokyo, Japan.

***Jackson,** Dugald C., 5 Mercer Circle, Cambridge, Mass. (Massachusetts Institute of Technology.)
***Jackson,** Dunham, University of Minnesota, Minneapolis, Minn.
Jackson, Lloyd R., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
Jackson, Oscar B., Box 2099, Shell Oil Co., Houston, Tex.
Jackson, Wilfrid J., Rutgers University, New Brunswick, N.J.
Jacobs, James A., State University of Iowa, Iowa City, Iowa.
Jacobs, Ludolph, 811 South 12th St., Lafayette, Ind. (Purdue University.)
Jacobs, Robert B., National Research Council, 2101 Constitution Ave., Washington, D.C.
Jacobsohn, Samuel, 3722 Polk St., Chicago, Ill. (The Gaertner Scientific Corp.)
Jaffe, George, Louisiana State University, University, La.
Jaffe, Hans R., 3232 Clarendon Rd., Cleveland Heights, Ohio.
***James,** Hubert M., Purdue University, Lafayette, Ind.
James, Louis E., Dexter, Ind.
James, Thomas H., Eastman Kodak Co., Rochester, N.Y.
***James,** William S., 1429 East Wayne St., South Bend, Ind.
Jamison, Noel C., Northwestern University, Evanston, Ill.
Janco, Nathan, P.O. Box 947, Tulsa, Okla.
Jarvis, George A., University of Wisconsin, Madison, Wis.
Jauch, Josef M., Physikalisches Institut E.T.H., Zürich, Switzerland.
***Jauncey,** George E. M., Washington University, St. Louis, Mo.
Jaycox, Edwin K., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Jefferson, Merrill E., Southern Regional Research Laboratory, 344 Camp St., New Orleans, La.
***Jeffries,** Zay, General Electric Co., Nela Park, Cleveland, Ohio.
***Jenkins,** Francis A., University of California, Berkeley, Calif.
Jenness, James R., Parsons College, Fairfield, Iowa.
Jennings, Burridge, The Johns Hopkins University, Baltimore, Md.
Jensen, Arnold A., University of Minnesota, Minneapolis, Minn.
Jensen, Arthur S., University of Pennsylvania, Philadelphia, Pa.
***Jensen,** John C., Nebraska Wesleyan University, Lincoln, Nebr.
Jensen, William J., P.O. Box 45, Rolla, Mo. (Missouri School of Mines and Metallurgy.)
***Jeppesen,** C. Rulon, Montana State University, Missoula, Mont.
Jeppesen, Myron A., 8 Harpswell Pl., Brunswick, Me. (Bowdoin College.)
***Jesse,** William P., 5534 Dorchester Ave., Chicago, Ill. (University of Chicago.)
Jessup, Ralph S., National Bureau of Standards, Washington, D.C.
***Jewett,** Frank B., American Telephone & Telegraph Co., 195 Broadway, New York, N.Y. (Bell Telephone Laboratories.)
***Joffe,** Abraham F., Sosnovka 2, Leningrad, U.S.S.R. (Physical-Technical Institute.)
Joffé, Joseph, 240 Waverly Pl., New York, N.Y. (Newark College of Engineering.)
Johns, Martin W., Brandon College, Brandon, Canada.
Johnson, A. Frances, Rockford College, Rockford, Ill.
Johnson, Albert L., The Crete Mills, Crete, Nebr.
Johnson, Arthur J. M., Montana State College, Bozeman, Mont.
***Johnson,** E. H., Box 65, Gambier, Ohio. (Kenyon College.)
Johnson, Ellis A., 6408 Brookville Rd., Chevy Chase, Md. (Dept. of Terrestrial Magnetism.)
***Johnson,** John B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Johnson, Montgomery H., New York University, University Hghts., New York, N.Y.
Johnson, Paul S., Union Switch & Signal Co., Swissvale, Pa.
Johnson, Ralph P., General Electric Co., Schenectady, N.Y.
Johnson, Richard A., 232 West Johnson Ave., Decatur, Ill. (James Millikin University.)
***Johnson,** Thomas H., Bartol Research Foundation, Swarthmore, Pa.
Johnson, Vivian A., Purdue University, Lafayette, Ind.
Johnsrud, Alfred L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Johnston, Helen, 430 West 116th St., New York, N.Y. (Hunter College.)
***Johnston,** Herrick L., Ohio State University, Columbus, Ohio.
Johnston, Norris, 1115 South Almansor St., Alhambra, Calif. (General Petroleum Corp. of California.)
Johnstone, John H. L., Dalhousie University, Halifax, Canada.
Joliot, Frédéric, Collège de France, Paris, France.
***Jones,** Arthur T., 78 North Elm St., Northampton, Mass. (Smith College.)
Jones, Creighton C., 359 West Fremont St., Fostoria, Ohio.
***Jones,** Ernest J., Fertilizer Research Laboratory, Bureau of Plant Industry, Washington, D.C.
Jones, Harry, Imperial College of Science, London, England.
Jones, Haydn, 2125 Ridge Ave., Evanston, Ill. (Hizone Products.)
***Jones,** Loyd A., Eastman Kodak Co., Rochester, N.Y.
Jones, Matthew T., 712½ North Main St., Fostoria, Ohio. (National Carbon Co.)
Jones, Merton W., 106 Highland Pl., Ithaca, N.Y.
Jones, Philip C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Jones, R. Clark, 68 Oxford St., Cambridge, Mass. (Harvard University.)
***Jones,** Reginald L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Jones, Richard N., University of Buffalo, Buffalo, N.Y.
Jones, Richard W., 426 Hamilton St., Evanston, Ill. (Central Y.M.C.A. College.)
Jones, Shannon, 1133 East 152nd St., Cleveland, Ohio. (General Electric Co.)
Jones, Warren C., 144–65 35th Ave., Flushing, N.Y. (Bell Telephone Laboratories.)
Jordahl, Olaf M., Box 65, Parkland, Wash. (Pacific Lutheran College.)
Jordan, Charles B., 6435 Commodore Sloat Dr., Los Angeles, Calif. (Lockheed Aircraft Corp.)
***Jordan,** Edward B., University of Illinois, Urbana, Ill.
Jordan, Walter E., 1000 Maury St., Memphis, Tenn.
Jordan, Walter H., University of South Dakota, Vermillion, S. Dak.
Jorgensen, Theodore, Jr., University of Nebraska, Lincoln, Nebr.
Jorgensen, Wilhelm, Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
Jossem, E. Leonard, Cornell University, Ithaca, N.Y.
***Judson,** Lewis V., 3417 Northampton St. N.W., Washington, D.C. (National Bureau of Standards.)
Jukes, John A., St. John's College, Cambridge, England.
Jupnik, Helen, Bryn Mawr College, Bryn Mawr, Pa.

Kabakjian, Dicran H., University of Pennsylvania, Philadelphia, Pa.
***Kadesch,** William H., 1803 Clay St., Cedar Falls, Iowa. (Iowa State Teachers College.)
Kagawa, Toyohiko, 603, 2 chome, Kami Kitazawa, Setagaya Ku, Tokyo, Japan.
Kahler, Herbert, National Cancer Institute, Bethesda, Md.
Kaiser, Herman F., U. S. Naval Research Laboratory, Washington, D.C.
Kakinuma, Usaku, Institute of Physical and Chemical Research, Tokyo, Japan.
Kakiuchi, Yoshinobu, 11 Itchome Kagacho, Ushigome, Tokyo, Japan.
Kalandyk, Stanislaw, Fredrystr. 10, Poznan, Poland. (University of Poznan.) (Present address unknown.)
Kalbfell, David C., 529 Pomona Ave., Albany, Calif. (Standard Oil Co. of California.)
Kalmbach, Sydney, University of Wisconsin, Madison, Wis.
***Kalmus,** Herbert T., P.O. Drawer 791, Hollywood, Calif.
Kamen, Martin D., University of California, Berkeley, Calif.
Kamm, Robert L., Princeton University, Princeton, N.J.
Kammer, Erwin W., Iowa State College, Ames, Iowa.

Kamogawa, Hirosi, 846 Tamagawa-Okuzawatyo-3, Setagayaku, Tokyo, Japan. (Tokyo Shibaura Electric Co.)
Kane, Brother Gabriel, Manhattan College, New York, N.Y.
Kane, Kathleen M., 30 Belmont Ave., Northampton, Mass. (Smith College.)
Kanne, W. Rudolph, 931 Hyde Park Blvd., Chicago, Ill. (Illinois Institute of Technology.)
***Kannenstine,** Fabian M., 2011 Esperson Bldg., Houston, Tex. (Kannenstine Laboratories.)
Kanner, Morton H., University of Illinois, Urbana, Ill.
***Kapitza,** Peter, Institute of Physical Problems, Moscow, U.S.S.R.
Kaplan, Carl, 112 Linden Ave., Hampton, Va. (National Advisory Committee for Aeronautics.)
***Kaplan,** Joseph, University of California, Los Angeles, Calif.
***Karapetoff,** Vladimir, 107 Romaine Pl., Leonia, N.J. (Cornell University.)
***Karcher,** John C., Coronado Corp., 406 Continental Bldg., Dallas, Tex.
Karelitz, George B., Columbia University, New York, N.Y.
Karr, Lois, Lindenwood College, St. Charles, Mo.
***Karrer,** Enoch, Box 9, R.D. 4, 4190 Wheeler Rd. S.E., Washington, D.C.
***Karrer,** Sebastian, Consolidated Gas & Electric Co., Baltimore, Md.
Kassel, Louis S., 707 Judson Ave., Evanston, Ill. (Universal Oil Products Co.)
Kastler, A., University of Bordeaux, Bordeaux, France.
Katzin, Martin, 140 Moriches Rd., Riverhead, N.Y. (RCA Communications, Inc.)
Kaufman, Clinton, 712 South Green, Wichita, Kans. (High School East.)
Kavanau, J. Lee, 1940 Calvert Ave., Detroit, Mich.
Kaye, Joseph, 104 Waverly St., Everett, Mass. (Massachusetts Institute of Technology.)
Kean, Clare H., 6339 Buffalo Speedway, Houston, Tex. (Humble Oil & Refining Co.)
Keary, Thomas J., 68 Harvard St., Brockton, Mass. (Harvard University.)
Keck, William G., 442 Grove St., East Lansing, Mich. (Michigan State College.)
Keeble, William H., Ashland, Va. (Randolph-Macon College.)
Keeley, Thomas C., Wadham College, Oxford, England.
Keen, C. D., 529 Robinson Pl., Shreveport, La.
Keen, Richard C., Louisiana State University, University, La.
***Keith,** Marcia A., 393 Washington, St., Braintree, Mass.
Keller, Arthur C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Keller, Geoffrey, 333 East Mosholu Pkwy., New York, N.Y. (Columbia University.)
Keller, Joseph M., University of British Columbia, Vancouver, Canada.
***Kellogg,** Jerome M. B., Columbia University, New York, N.Y.
Kelly, Harry C., Montana State College, Bozeman, Mont.
Kelly, Howard R., Stanford University, Stanford University, Calif.
***Kelly,** Mervin J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Kelsall, George A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Kemble,** Edwin C., Harvard University, Cambridge, Mass.
Kemmer, Nikolai, 6, Marloes Rd., London, England. (Imperial College of Science and Technology.)
Kempton, Albert E., The University, Liverpool, England.
Kendall, Burton W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Kennard,** Earle H., Cornell University, Ithaca, N.Y.
Kennard, Ralph B., Wilson Teachers College, Washington, D.C.
Kennedy, W. Jay, Trinity University, Waxahachie, Tex.
Kenney, Arthur W., DuPont Experimental Station, Wilmington, Del.
Kennon, William L., Box 216, University, Miss. (University of Mississippi.)
***Kenrick,** Gleason W., University of Puerto Rico, Rio Piedras, P.R.
Kent, Carleton V., University of Kansas, Lawrence, Kans.
Kent, Mother Marion, San Francisco College for Women, San Francisco, Calif.
***Kent,** Norton A., Boston University, Boston, Mass.
Kent, Robert H., Aberdeen Proving Ground, Md.
Kenty, Carl, General Electric Co., Nela Park, Cleveland, Ohio.
Kenworthy, Ray W., University of Washington, Seattle, Wash.
Kern, James W., 110 North 34th St., Philadelphia, Pa. (University of Pennsylvania.)
Kernaghan, Marie, Maryville College, St. Louis, Mo.
Kerns, David M., 2926 Dwight Ave., Dayton, Ohio. (U. S. Army Air Corps, Material Division.)
Kerry, John R., Box 20, R.F.D. No. 2, Palatine, Ill. (The House of Vision.)
***Kerst,** Donald W., General Electric Co., Schenectady, N.Y. (University of Illinois.)
***Kersten,** Harold J., University of Cincinnati, Cincinnati, Ohio.
***Kester,** Frederick E., University of Kansas, Lawrence, Kans.
***Kettering,** Charles F., General Motors Corp., Detroit, Mich.
Keuffel, J. Warren, 12 Patton Hall, Princeton, N.J. (Princeton University.)
***Keyes,** Frederick G., Massachusetts Institute of Technology, Cambridge A, Mass.
Keyes, Kenneth E., Carnegie Institute of Technology, Pittsburgh, Pa.
***Keys,** David A., McGill University, Montreal, Canada.
Kiehl, Harry R., 223 Chemung St., Corning, N.Y. (Corning Glass Works.)
***Kiess,** Carl C., 2928 Brandywine St., Washington, D.C. (National Bureau of Standards.)
Kievit, Ben, Box 247, Emporium, Pa. (Hygrade Sylvania Corp.)
Kikuchi, Chihiro, 611 Jackson St., Seattle, Wash. (University of Washington.)
Kilby, Clinton M., Randolph Macon Woman's College, Lynchburg, Va.
Killian, Thomas J., The Frink Corporation Sterling Bronze Co., Inc. 23-10 Bridge Plaza South, Long Island City, N.Y.
***Kimball,** Arthur L., General Electric Co., Schenectady, N.Y.
Kimball, George E., Columbia University, New York, N.Y.
Kimball, William S., Robert College, Istanbul, Turkey.
Kime, Joseph M., R.F.D. No. 1, Box 72, East Akron, Ohio. (The B. F. Goodrich Co.)
Kimura, Motoharu, Institute of Physical and Chemical Research, Tokyo, Japan.
King, Allen, Rensselaer Polytechnic Institute, Troy, N.Y.
***King,** Arthur S., Mt. Wilson Observatory, Pasadena, Calif.
King, Gilbert W., Massachusetts Institute of Technology, Cambridge A, Mass.
King, L. D. Percival, Purdue University, Lafayette, Ind.
***King,** Louis V., McGill University, Montreal, Canada.
King, Robert B., Mt. Wilson Observatory, Pasadena, Calif.
***King,** Robert W., American Telephone & Telegraph Co., 195 Broadway, New York, N.Y.
King, Ronold W. P., 92 Hillcrest Pkwy., Winchester, Mass. (Harvard University.)
***Kingdon,** Kenneth H., General Electric Co., Schenectady, N.Y.
Kingsbury, Burton A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Kingsbury,** Edwin F., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Kinkaid, Walker, 145 State College, Miss. (Mississippi State College.)
Kinsey, Bernard B., University of Liverpool, Liverpool, England.
***Kinsey,** E. Lee, University of California, Los Angeles, Calif.
Kinsler, Lawrence E., Rollins College, Winter Park, Fla.
***Kinsley,** Carl, Falls Church, Va.
Kinsman, Arthur D., 80 County Rd., Ipswich, Mass.
Kinzer, Gilbert D., 3211 Wheeler Rd. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
Kip, Arthur F., Massachusetts Institute of Technology, Cambridge A, Mass.
Kirby-Smith, John S., National Cancer Institute, Bethesda, Md.
Kirkham, Don, General Delivery, Williamsburg, Va. (Mine Depot, U. S. Navy.)
Kirkpatrick, D. Everette, Queens College, Flushing, N.Y.
***Kirkpatrick,** Harry A., Occidental College, Los Angeles, Calif.
***Kirkpatrick,** Paul, Stanford University, Stanford University, Calif.
***Kirkwood,** John G., Cornell University, Ithaca, N.Y.
Kittel, Charles, Ordnance Laboratory, U. S. Navy, Washington, D.C.
Kiuti, Masazo, 30 Komagome-Akebono-Tyo, Hongo, Tokyo, Japan (Tokyo Imperial University.)
Klaiber, Stanley, University of Illinois, Urbana, Ill.

Klapman, Solomon J., 5306 Wayne Ave., Philadelphia, Pa. (Jensen Radio Manufacturing Co.)
Klapperich, Alfred J., 412 Central Ave., Wilmette, Ill. (Peoples Gas Light & Coke Co.)
Klein, Arthur L., California Institute of Technology, Pasadena, Calif.
Klein, Elias L., U. S. Naval Research Laboratory, Washington, D.C.
Klein, Gilbert E., 2104 Lennox Rd., Cleveland Heights, Ohio. (The National Smelting Co.)
Klein, William S., 4510 Russell Ave., Los Angeles, Calif. (Don Lee Broadcasting System.)
Kleinschmidt, Robert V., 20 East St., Stoneham, Mass. (Arthur D. Little, Inc.)
Kleis, John D., Fansteel Metallurgical Corp., 2200 Sheridan Rd., North Chicago, Ill.
Klemperer, Hans, 26 Frost Rd., Belmont, Mass. (Raytheon Manufacturing Co.)
Kliever, Waldo H., 4029 Upton Ave. S., Minneapolis, Minn. (Minneapolis-Honeywell Regulator Co.)
***Klopsteg,** Paul E., Central Scientific Co., 1700 Irving Park Blvd., Chicago, Ill.
***Knauss,** Harold P., Ohio State University, Columbus, Ohio.
Knauss, Homer C., 3701 Sixteenth St. N.W., Washington, D.C. (Bureau of Ordnance, U. S. Navy.)
Knerr, Henry W., Pennsylvania State College, State College, Pa.
Knipp, A. R., Lingnan University, Canton, China.
***Knipp,** Charles T., 1003 West Nevada St., Urbana, Ill. (University of Illinois.)
***Knipp,** Julian K., Purdue University, Lafayette, Ind.
Knobel, Max, 30 Memorial Dr., Cambridge, Mass.
Knorr, Harry V., 140 West Center College St., Yellow Springs, Ohio. (Antioch College.)
***Knowles,** Dewey D., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
Knowles, Frank E., Phillips University, Enid, Okla.
Knowles, Frederick L., P.O. Box 547, U. S. Public Health Service, Savannah, Ga.
Knowles, Harold L., University of Florida, Gainesville, Fla.
***Knowlton,** A. A., Reed College, Portland, Ore.
***Knudsen,** Vern O., University of California, Los Angeles, Calif.
Koana, Zyun, Tokyo Imperial University, Tokyo, Japan.
Kobayasi, Akio, Tokyo Sibaura Electric Co., Kawasaki, Japan.
Kobayasi, Atusi, Tokyo Agricultural College, Tokyo, Japan.
Kobayasi, Minoru, Yamanouchi-machi 244, Sumiyoshi-ku, Osaka, Japan.
Koch, Wendell R., 1418 Superior Ave., Dayton, Ohio. (U. S. Army Air Corps.)
Kock, Winston E., Baldwin Piano Co., Cincinnati, Ohio.
Koehler, James F., 98 North Elm St., Northampton, Mass. (Smith College.)
Koehler, James S., University of Pennsylvania, Philadelphia, Pa.
Koehler, Wilbert F., Punahou Academy, Honolulu, T.H.
Koenig, H. Paul, 16 rue Cremazie, Quebec, Canada.
Koenig, Harold D., 203 Geiger St., Huntingburg, Ind.
Koga, Issac, The Denki-Gakkawai, Marunouti, Tokyo, Japan.
Kolin, Alexander, 610 Riverside Dr., New York, N.Y. (Mt. Sinai Hospital.)
Kolkmeyer, Emeran J., Canisius College, Buffalo, N.Y.
***Koller,** Lewis R., General Electric Co., Schenectady, N.Y.
Kondo, Kenzi, Tokyo Imperial University, Tokyo, Japan.
Konopinski, Emil J., Indiana University, Bloomington, Ind.
Koontz, Philip G., Colorado State College, Fort Collins, Colo.
Koppius, Otto G., Mathieson Alkali Works Inc., Niagara Falls, N.Y.
Koppius, Otto T., University of Kentucky, Lexington, Ky.
***Korff,** S. A., Bartol Research Foundation, Swarthmore, Pa.
Kornfeld, Gertrude, 26 Portsmouth Ter., Rochester, N.Y. (Eastman Kodak Co.)
Kostko, Jaroslaw K., 6638 Washington Ave., St. Louis, Mo. (The Emerson Electric Manufacturing Co.)
Kotani, Masao, 594 Yoyogi-Hatsudai Shibuya-ku, Tokyo, Japan.
***Kovarik,** Alois F., Yale University, New Haven, Conn.
Kozanowski, Henry N., 925 Belmont Ave., Collingswood, N.J. (RCA Manufacturing Co.)
***Kracek,** Frank C., Geophysical Laboratory, 2801 Upton St. N.W., Washington, D.C.
Krack, Elmer J., Mene Grande Oil Co., Apartado 45, Barcelona Venezuela.
Krahl, Walter L., Hygrade Sylvania Corp., Loring Ave., Salem, Mass.
***Kramers,** Hendrik A., Instituut Theoretische Natuurkunde, Leiden, Holland.
***Kraus,** Charles A., Brown University, Providence, R.I.
Kraus, John D., Arlington Blvd., Ann Arbor, Mich.
Kretschmar, George G., College Place, Wash. (Walla Walla College.)
***Krishnan,** R. S., Trinity College, Cambridge, England. (Indian Institute of Science.)
***Kronig,** Ralph deL., Natuurkundig Laboratorium der Rijks Universiteit, Gröningen, Holland.
***Kruger,** P. Gerald, University of Illinois, Urbana, Ill.
Kruper, Andrew P., Fisher Scientific Co., 711–23 Forbes St., Pittsburgh, Pa.
Ku, Zing Whai, c/o Mr. L. T. Kiah, 199 Cunningham Rd., Shanghai, China.
Kubo, Tosihiko, Hitati Engineering Works, Hitati, Ibaraki-Ken, Japan.
Kubota, Hiroshi, 27, Daimoncho, Koishikawa-ku, Tokyo, Japan. (Institute of Physical and Chemical Research.)
Kuehne, John M., University of Texas, Austin, Tex.
Kuerti, Gustav, University of Rochester, Rochester, N.Y.
Kuethe, Arnold M., 4071 Elbertson St., Elmhurst, N.Y.
Kuhn, Heinrich G., Clarendon Laboratory, Oxford, England.
Kuhn, Jackson G., 1502 Thompson Ave., Glendale, Calif. (Kinner Motors Inc.)
***Kunsman,** Charles H., Western Regional Research Laboratory, Albany, Calif.
Kuo, I. C., 22 Shiao-Kuai-Pang, Hutung, West City, Peking, China.
Kuper, J. B. Horner, National Institute of Health, Bethesda, Md.
***Kurie,** Franz N. D., Indiana University, Bloomington, Ind.
Kurrelmeyer, Bernhard, 548 Riverside Dr., New York, N.Y. (Brooklyn College.)
Kusaka, Shuichi, University of California, Berkeley, Calif.
Kusakabe, Satoshi, 71 Yotyomati, Tokyo, Japan. (Military School of Artillery and Engineering.)
***Kusch,** Polykarp, 165 Franklin St., Bloomfield, N.J. (Westinghouse Electric & Manufacturing Co.)
Kwei, Chi-Ting, National Wuhan University, Kiating, Szechuen Province, West China.
Kynch, G. J., 25 Beaconsfield Rd., West Croydon, Surrey, England. (Imperial College of Science and Technology.)
***Kyropoulos,** Spiro, California Institute of Technology, Pasadena, Calif.

Lack, Frederick R., Western Electric Co., Inc., 300 Central Ave., Kearny, N.J.
La Coste, Lucien J. B., University of Texas, Austin, Tex.
Lacount, Reginald G., 11 Cleveland Rd., Wellesley, Mass. (Northeastern University.)
***Ladenburg,** Rudolf W., Princeton University, Princeton, N.J.
Lagemann, Robert T., Marshall College, Huntington, W.Va.
***Laird,** Elizabeth R., 1009 Wellington St., London, Canada. (Mt. Holyoke College.)
Laird, Harold R., 15 Circle Close, Shorewood Hills, Madison, Wis.
***Lamar,** Edward S., Massachusetts Institute of Technology, Cambridge A, Mass.
Lamb, George B., P.O. Drawer 2100, Houston, Tex. (Gulf Research & Development Co.)
***Lamb,** Willis E., Jr., Columbia University, New York, N.Y.
Lambert, Joseph M., General Aniline Works, Grasselli, N.J.
Lampi, Eugene E., University of Minnesota, Minneapolis, Minn.
Lampland, Carl O., Lowell Observatory, Flagstaff, Ariz.
Lampson, Curtis W., University of Richmond, Richmond, Va.
Lanczos, Cornelius, Purdue University, Lafayette, Ind.
***Landé,** Alfred, Ohio State University, Columbus, Ohio.
Landen, Ernest J., William Jewell College, Liberty, Mo.
Landshoff, Rolf, College of St. Thomas, St. Paul, Minn.
Lane, Cecil T., Yale University, New Haven, Conn.
***Lang,** Robert J., University of Alberta, Edmonton, Canada.
Lange, Edward H., 3801 Hillsdale Rd., Baltimore, Md.
Langer, Lawrence M., Indiana University, Bloomington, Ind.

***Langer,** Rudolph M., California Institute of Technology, Pasadena, Calif.
Langford, Grace, Plymouth, Mass. (Barnard College.)
Langmuir, David B., RCA Manufacturing Co., Harrison, N.J.
***Langmuir,** Irving, 1176 Stratford Rd., Schenectday, N.Y. (General Electric Co.)
Langsdorf, Alexander, Jr., Washington University, St. Louis, Mo.
Lankford, Eugene, 1737 North Fairview, Burbank, Calif. (Lockheed Aircraft Corp.)
Lanterman, William S., Jr., Lehigh University, Bethlehem, Pa.
***Laporte,** Otto, University of Michigan, Ann Arbor, Mich.
Lapp, Claude J., State University of Iowa, Iowa City, Iowa.
Lariviere, Rose, 4738 Woodlawn Ave., Chicago, Ill.
***Lark-Horovitz,** Karl, Purdue University, Lafayette, Ind.
Larkin, Charles R., Lehigh University, Bethlehem, Pa.
Larrick, Lewis, R.D. No. 1, Cuyahoga Falls, Ohio. (The B. F. Goodrich Co.)
Larsen, Karl D., University of Maine, Orono, Me.
Larsen, Thorstein, The Consolidated Edison Co. of N.Y., 55 Johnson St., Brooklyn, N.Y.
Larson, Chris, R.R. 6, Glendale Dr., Fort Wayne, Ind.
Larson, Karl G., Augustana College, Rock Island, Ill.
Larys, B., 1116 Crawford Ave., Duquesne, Pa.
Laslett, L. Jackson, Indiana University, Bloomington, Ind.
Latham, Robert, A.D.E.E., Bure Homage, Christchurch, Hants, England. (Cavendish Laboratory.)
Laufer, Maurice K., 6706 North Central Ave., Chevy Chase, Md. (National Bureau of Standards.)
***Lauritsen,** Charles C., 1444 Blanche St., Pasadena, Calif. (California Institute of Technology.)
Lauritsen, Thomas, 1444 Blanche St., Pasadena, Calif.
Laverty, John L., Jr., 14 Ames, St., Somerville, Mass.
Law, Harold B., Ohio State University, Columbus, Ohio.
Law, Russell R., RCA Manufacturing Co., Harrison, N.J.
Lawler, David, 213 Michigan Ave., Albion, Mich. (Albion College.)
***Lawrence,** Ernest O., University of California, Berkeley, Calif.
***Lawrence,** Henry E., University of Rochester, Rochester, N.Y.
Lawson, Andrew W., University of Pennsylvania, Philadelphia, Pa.
Lawson, James L., Massachusetts Institute of Technology, Cambridge A, Mass. (University of Michigan.)
Lawther, Harry P., Jr., 1010 Pine St., St. Louis, Mo. (Southwestern Bell Telephone Co.)
Lawton, Elliott, General Electric Co., Schenectady, N.Y.
Lay, John T., 4015 Pine St., Philadelphia, Pa.
Le Conte, James A., Jr., Emory Junior College, Oxford, Ga.
Lee, Claudius, Virginia Polytechnic Institute, Blacksburg, Va.
***Lee,** John Y., P.O. Box 1982, Shanghai, China. (China Scientific Instrument Co.)
Lee, Konrad O., Concordia College, Moorhead, Minn.
***Leeds,** Morris E., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
Leedy, Haldon A., 35 West 33rd St., Chicago, Ill. (Armour Research Foundation.)
Lees, Sidney, 4695 Bedford Ave., Brooklyn, N.Y. (Signal Corps Laboratories.)
Lefler, Glenn Q., Kent State University, Kent, Ohio.
Le Galley, Donald P., 1109 Yeadon Ave., Yeadon, Pa. (Philadelphia College of Pharmacy and Science.)
***Legg,** Victor E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Lehnhoff, Raymond G., 322 Joselin Ave., Cincinnati, Ohio. (Ohio Mechanics Institute.)
Leidal, Floyd, 1114 Forest Ave., Northfield, Minn.
Lemmon, Vernon W., Washington University, St. Louis, Mo.
***Lemon,** Harvey B., University of Chicago, Chicago, Ill.
Lempert, Joseph, Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
***Lennard-Jones,** John E., Cambridge University, Cambridge, England.
***Lenzen,** Victor F., University of California, Berkeley, Calif.
Leschen, John G., Massachusetts Institute of Technology, Cambridge A, Mass.
Lessig, Edward T., R.D. No. 1, Cuyahoga Falls, Ohio. (The B. F. Goodrich Co.)
***Lester,** Horace H., Watertown Arsenal, Watertown, Mass.
***Lester,** Oliver C., 1061 Eleventh St., Boulder, Colo. (University of Colorado.)
Letner, Harold R., Mellon Institute of Industrial Research, 4400 Fifth Ave., Pittsburgh, Pa.
Leverenz, Humboldt W., 9 Montrose Gardens, Randolph Pl., South Orange, N.J. (RCA Manufacturing Co.)
Lewis, Arthur B., Box 442, University, Miss. (University of Mississippi.)
Lewis, Bernard, U. S. Bureau of Mines, 4800 Forbes St., Pittsburgh, Pa.
Lewis, Charlton M., 501 Kingsley Ave., Palo Alto, Calif. (Carnegie Institution of Washington.)
***Lewis,** Gilbert N., University of California, Berkeley, Calif.
Lewis, Harold M., 15 Florence St., Great Neck, N.Y.
Lewis, Lester C., 10 Holden St., Cambridge, Mass.
Lewis, W. Bennett, Caius College, Cambridge, England.
Liben, William, U. S. Army Engineer Board, Fort Belvoir, Va.
Liddel, Urner, 40 West Elm St., Greenwich, Conn. (American Cyanamid Co.)
***Liebowtiz,** Benjamin, 110 Riverside Dr., New York, N.Y. (Trubenizing Process Corp.)
Lifschutz, Harold, 1735–33rd Pl. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
Lilienfeld, J. E., P.O. Box 266, St. Thomas, Virgin Islands.
***Lind,** Samuel C., University of Minnesota, Minneapolis, Minn.
Lindemann, Howard C., Eddy St., Grymes Hill, Staten Island, N.Y. (National Electric Instrument Co.)
Linder, Ernest G., RCA Manufacturing Co., Camden, N.J.
***Lindsay,** George A., University of Michigan, Ann Arbor, Mich.
***Lindsay,** Robert B., Brown University, Providence, R.I.
Linford, Leo H., Utah State Agricultural College, Logan, Utah.
Linford, Leon B., Utah State Agricultural College, Logan, Utah.
Lipnick, Milton, P.O. Box 381, Hampton, Va. (National Advisory Committee for Aeronautics.)
Liska, John W., 475 Bacon Ave., Akron, Ohio. (Firestone Tire & Rubber Co.)
Little, Edward M., Civil Aeronautics Administration, Airport, Helena, Mont.
Little, Elbert P., Hooper House, Exeter, N.H. (The Phillips Exeter Academy.)
***Little,** Noel C., 8 College St., Brunswick, Me. (Bowdoin College.)
***Littleton,** Jesse T., Corning Glass Works, Corning, N.Y.
***Livingood,** John J., 164 Common St., Belmont, Mass. (Harvard University.)
***Livingston,** M. Stanley, Massachusetts Institute of Technology, Cambridge A, Mass.
Livingston, Robert S., 2319 College Ave., Berkeley, Calif. (University of California.)
***Llewellyn,** Frederick B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Lloyd, Paul E., California Institute of Technology, Pasadena, Calif.
Lockenvitz, Arthur E., University of Texas, Austin, Tex.
***Loeb,** Leonard B., Naval Proving Ground, Dahlgren, Va. (University of California.)
Lohr, Vergil C., Central Y.M.C.A. College, Chicago, Ill.
London, Fritz W., Duke University, Durham, N.C.
Long, Franklin A., Cornell University, Ithaca, N.Y.
Long, Maurice B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Long, V. A., Bradley Polytechnic Institute, Peoria, Ill.
Longacre, Andrew, Phillips Exeter Academy, Exeter, N.H.
***Longden,** Aladine C., 1194 North Broad St., Galesburg, Ill. (Knox College.)
Loofbourow, John R., Massachusetts Institute of Technology, Cambridge A, Mass.
***Loomis,** Alfred L., Tuxedo Park, N.Y. (The Loomis Laboratory.)
***Loomis,** F. Wheeler, University of Illinois, Urbana, Ill.
***Loria,** Stanislau, University of Lwow, Lwow, Poland.
Loring, Albert D., 1278 Michigan Ave., Cincinnati, Ohio.
Loring, Ralph A., 1212 Wolfe Ave., Louisville, Ky. (University of Louisville.)
Loughborough, Dwight L., The B. F. Goodrich Co., Akron, Ohio.
***Loughridge,** Donald H., University of Washington, Seattle, Wash.
Lovell, A. C. B., 4 Bloomfield Ave., Bath, England.
Lovell, William V., R. No. 1, Box 37, Sanford, Fla.

Loving, Robert E., University of Richmond, Va. (University of Richmond.)
Lowan, Arnold N., 312 Schenectady Ave., Brooklyn, N.Y. (Yeshiva College and W.P.A. Project.)
***Lowater,** Frances, 3 Abbey Road Mansions, Abbey Rd., London, England. (Imperial College of Science and Technology.)
Lowen, Irving S., New York University, Washington Sq., New York, N.Y.
Lowry, Erwin F., 124 Greenwood Ave., Swampscott, Mass. (Hygrade Sylvania Corp.)
Lowry, W. Norwood, 206 South 13th St., Lewisburg, Pa. (Bucknell University.)
***Lozier,** W. Wallace, National Carbon Co., Fostoria, Ohio.
Lu, Hoff, University of Minnesota, Minneapolis, Minn.
Lubovich, Vladimir P., University of Colorado, Boulder, Colo.
Luck, David G. C., RCA Manufacturing Co., Camden, N.J.
Luckey, George P., 211 South President Ave., Lancaster, Pa. (Hamilton Watch Co.)
***Luckiesh,** Matthew, General Electric Co., Nela Park, Cleveland, Ohio.
Lucks, Charles F., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
Ludeke, Carl A., 4738 Doberrer Ave., Cincinnati, Ohio. (University of Cincinnati.)
Ludloff, Johann F., Cornell University, Ithaca, N.Y.
Luebke, Emmeth A., University of Illinois, Urbana, Ill.
***Luhr,** Overton, 1033 Almond St., Banning, Calif. (Union College.)
Lukens, Charles, 92 East 1st St., Corning, N.Y. (Corning Glass Works.)
***Lunn,** Arthur C., 5211 Kenwood Ave., Chicago, Ill. (University of Chicago.)
Lunn, Edward G., 1545–44th St. N.W., Washington, D.C.
Luyet, Basile J., St. Louis University Medical School, St. Louis, Mo.
Lyddane, Russell H., University of North Carolina, Chapel Hill, N.C.
Lyman, Ernest M., Massachusetts Institute of Technology, Cambridge, Mass.
***Lyman,** Theodore, Harvard University, Cambridge, Mass.
Lynch, J. Joseph, Fordham University, New York, N.Y.
Lynch, William A., Fordham University, New York, N.Y.
Lynde, Carleton J., Teachers College, New York, N.Y.
Lyon, Eric R., Kansas State College, Manhattan, Kans.
Lyon, J. Adair, Sophia Newcomb College, New Orleans, La.
Lyons, W. James, Southern Regional Research Laboratory, New Orleans, La.

Ma, S. T., H. H. Wills Physics Laboratory, Bristol, England.
Mabey, Charles A., The Bristol Co., Waterbury, Conn.
Macalpine, William W., 196 North Oraton Pkwy., East Orange, N.J. (Federal Telegraph Co.)
MacColl, LeRoy A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
MacDonald, D. C., Ohio State University, Columbus, Ohio.
Macelwane, James B., St. Louis University, St. Louis, Mo.
MacGregor, Donald G., Mount Allison University, Sackville, Canada.
Machler, Raymond C., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
***MacInnes,** Duncan A., Rockefeller Institute for Medical Research, 66th St. & York Ave., New York, N.Y.
***Mack,** Edward, Jr., 309 Walhalla Rd., Columbus, Ohio.
***Mack,** Julian E., University of Wisconsin, Madison, Wis.
MacKenzie, Donald, Electrical Research Laboratories, 76 Varick St., New York, N.Y.
MacKenzie, Kenneth R., University of California, Berkeley, Calif.
Mackeown, S. Stuart, California Institute of Technology, Pasadena, Calif.
MacMahon, Andrew M., 820 Union National Bank Bldg., Houston, Tex.
***MacNair,** Walter A., Bell Telephone Laboratories, 180 Varick St., New York, N.Y.
MacNeille, Stephen M., 48 Penfield Rd., Rochester, N.Y. (Eastman Kodak Co.)
MacPhail, Malcolm R., Standard Oil Co., Apartado 1329, Caracas, Venezuela.
MacPherson, Herbert G., 1674 Arthur Dr., Lakewood, Ohio. (National Carbon Co.)
MacWood, George E., Ohio State University, Columbus, Ohio.
Maddigan, Stephen E., 112 Revere St. Ext., Waterbury, Conn. (Chase Brass & Copper Co.)
Madigan, John A., College of St. Thomas, St. Paul, Minn.
***Magie,** William F., 118 Library Pl., Princeton, N.J. (Princeton University.)
***Magliano,** Hilario, Calle 50, No. 785, La Plata, Argentina. (Facultad de Ciencias Fisicomatemâticas.)
***Magnusson,** Carl E., 5200 16th Ave. N.E., Seattle, Wash. (University of Washington.)
Maier, Martin S., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
Mais, Walter H., Brooklyn College, Brooklyn, N.Y.
Malmstrom, Homer E., 548 Mill St., Niagara, Wis.
***Maltby,** Margaret E., 2449 Pacific Ave., San Francisco, Calif. (Barnard College.)
Malter, Louis, RCA Manufacturing Co., Harrison, N.J.
Mandeville, Charles E., The Rice Institute, Houston, Tex.
***Manley,** John H., University of Illinois, Urbana, Ill.
Mann, David W., Harvard University, Cambridge, Mass.
Mann, E. Ray, 31 Oakwood St., Asheville, N.C. (Biltmore College.)
Mann, Hubert, 1150 Fifth Ave., New York, N.Y. (Mt. Sinai Hospital and Beth Israel Hospital.)
Mann, Marvin M., 1656 Country Club Dr., Glendale, Calif.
Mann, Ralph W., Washington University, St. Louis, Mo.
Mann, Wilfrid B., Imperial College, London, England.
Mannes, Leopold D., 11 East 11th St., New York, N.Y. (Eastman Kodak Co.)
Manning, Ellis L., 1386 Lowell Rd., Schenectady, N.Y. (N. Y. State Dept. of Education.)
Manning, Henry P., New York University, University Hghts., New York, N.Y.
Manning, Kenneth V., University of Wichita, Wichita, Kans.
***Manning,** Millard F., University of Pittsburgh, Pittsburgh, Pa.
Marburger, Walter G., 2308 Oakland Dr., Kalamazoo, Mich. (Western State Teachers College.)
Marcus, Alexander, College of the City of New York, New York, N.Y.
***Margenau,** Henry, Yale University, New Haven, Conn.
Marinelli, Leonidas D., Memorial Hospital, 444 East 68th St., New York, N.Y.
Mariner, Thomas, Princeton University, Princeton, N.J.
Markham, Jordan J., 34 Olive St., Providence, R.I. (Brown University.)
Marrison, Warren A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Marsh, Herbert E., 940 Campus Ave., Redlands, Calif. (University of Redlands.)
Marshak, Robert E., University of Rochester, Rochester, N.Y.
Marshall, Donald E., 30 Windsor Rd., Allwood, Clifton, N.J. (Westinghouse Electric & Manufacturing Co.)
Marshall, John, Jr., University of Rochester, Rochester, N.Y.
Marshall, Lauriston C., University of California, Berkeley, Calif.
Marshall, Milton, 211 South University Ave., Provo, Utah. (Brigham Young University.)
Marshall, Rebecca F., 52 Clark St. Brooklyn, N.Y.
Martin, Edward J., General Motors Co., Detroit, Mich.
Martin, Emmett V., 159 Las Encinas Rd., Santa Barbara, Calif. (Carnegie Institution of Washington.)
Martin, John H., Indiana University, Bloomington, Ind.
Martin, Miles J., 623 State St., Milwaukee, Wis. (University of Wisconsin.)
Martin, Paul E., 170 Thompson Ave., New Concord, Ohio. (Muskingum College.)
Martin, R. Earl, Box 178, Hanover, Ind. (Hanover College.)
Martin, Stuart T., Jr., Clark University, Worcester, Mass.
Martinez, Karl, 1200 East 43rd, Seattle, Wash. (Boeing Aircraft Co.)
Marton, Ladislaw, 389 Park Ave., Collingswood, N.J. (RCA Manufacturing Co.)
Marvin, H. H., University of Nebraska, Lincoln, Nebr.
Marvin, James F., University of Minnesota, Minneapolis, Minn.
Marx, Rose S., 100 Morningside Dr., New York, N.Y.
***Masius,** Morton, Worcester Polytechnic Institute, Worcester, Mass.
Masket, A. Victor, University of Virginia Medical School, Charlottesville, Va.

***Mason,** Max, California Institute of Technology, Pasadena, Calif.
***Mason,** Ruric C., 22 Roxbury Rd., Forest Hills, Wilkinsburg, Pa. (Westinghouse Electric & Manufacturing Co.)
Mason, Warren P., Bell Telephone Laboratories, 180 Varick St., New York, N.Y.
Mathes, Robert C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Matheson, Lorne A., 2411 Manor Dr., Midland, Mich. (The Dow Chemical Co.)
Matsen, F. Albert, Bucknell University, Lewisburg, Pa.
Matz, Charles F., 255 Fisher Ave., Brookline, Mass. (Polaroid Corp.)
Mauchly, John W., Ursinus College, Collegeville, Pa.
Maurer, Robert J., 19 Everett St., Cambridge, Mass. (Massachusetts Institute of Technology.)
Maxfield, Frederick A., University of Wisconsin, Madison, Wis.
***Maxfield,** Joseph P., R.F.D. No. 1, Madison, N.J. (Electrical Research Products Inc.)
Maxwell, George W., Kansas State College, Manhattan, Kans.
Maxwell, Howard N., 1922 Oakland Dr., Kalamazoo, Mich.
***Maxwell,** Louis R., Fertilizer Research Laboratory, Friendship P.O., Washington, D.C.
May, Albert, 3915 Livingston St. N.W., Washington, D.C. (Catholic University of America.)
Mayer, Maria Goeppert, Columbia University, New York, N.Y.
Mayes, Fred M., University of Kentucky, Lexington, Ky.
McAlister, Edward D., Smithsonian Institution, Washington, D.C.
***McAllister,** Addams S., National Bureau of Standards, Washington, D.C.
McAllister, Lawrence E., Berry College, Mount Berry, Ga.
McCarthy, Francis W., 2015 Key Blvd., Arlington, Va. (Federal Bureau of Investigation.)
McCarthy, John T., Western Reserve University, Cleveland, Ohio.
McCauley, George V., 70 East 4th St., Corning, N.Y. (Corning Glass Works.)
McCay, Myron S., P.O. Box 339, Blacksburg, Va. (Virginia Polytechnic Institute.)
McClellan, Cyril E., University of Illinois, Urbana, Ill.
***McClung,** Robert K., University of Manitoba, Winnipeg, Canada.
McClure, Carroll D., Magnolia Petroleum Co., P.O. Box 900, Dallas, Tex.
McClure, Oscar E., Box 548, Athens, Ohio. (Ohio University.)
McCollum, Elton V., Mott-Smith Corp., 909 Shell Bldg., Houston, Tex.
McCorkle, Paul, State Teachers College, West Chester, Pa.
McCorkle, W. H., 117 F. E., College Station, Tex. (Texas Agricultural and Mechanical College.)
McCormick, William W., Geneva College, Beaver Falls, Pa.
***McCoy,** Herbert N., 1226 Westchester Pl., Los Angeles, Calif. (Lindsay Light & Chemical Co.)
McCreary, Ralph L., University of Rochester, Rochester, N.Y.
McCune, Robert F., University of Illinois, Urbana, Ill.
McCurdy, Richard C., Shell Oil Co., Oilfields, Calif.
***McCurdy,** William, R.F.D. No. 1, Berkendine Rd., Caldwell, N.J. (Westinghouse Electric & Manufacturing Co.)
McDaniel, Boyce D., Cornell University, Ithaca, N.Y.
McDaniel, Paul W., Indiana University, Bloomington, Ind.
McDermott, Eugene, Geophysical Service Inc., 1311 Republic Bank Bldg., Dallas, Tex.
McDonald, Ellice, Biochemical Research Foundation, Newark, Del.
McDonald, Frank C., Southern Methodist University, Dallas, Tex.
McDonald, John C., The Dow Chemical Co., Midland, Mich.
***McDowell,** Louise S., Wellesley College, Wellesley, Mass.
***McElfresh,** William E., 40 Grace Ct., Williamstown, Mass. (Williams College.)
***McEwen,** George F., Box 109, La Jolla, Calif. (Scripps Institution of Oceanography.)
McFadden, Thomas, 21, Chesterfield Pk., Belfast, Northern Ireland. (Queen's University.)
McFarlan, Ronald L., B. B. Chemical Co., Cambridge, Mass.
McFee, Raymond H., 420 Memorial Dr., Cambridge, Mass. (Massachusetts Institute of Technology.)
McGoldrick, Raymond T., 123 Rutland Rd., Brooklyn, N.Y. (The David Taylor Model Basin, U. S. Navy.)
McGrath, James W., Michigan State College, East Lansing, Mich.
McHugh, Daniel J., Vincentian House of Studies, 3901 Harewood Rd. N.W., Washington, D.C.
McIlwraith, Charles G., The Texas Co., Beacon, N.Y.
McKee, Lefler, Hazeltine Service Laboratory, 58–25 Little Neck Pkwy., Little Neck, N.Y.
***McKeehan,** Louis W., Yale University, New Haven, Conn.
McKenzie, L. Morell, 814 Concord Ave. N.W., Washington, D.C. (Library of Congress and George Washington University.)
McKibben, Joseph L., University of Wisconsin, Madison, Wis.
McKusick, Wayne L., 32 Spencer St., Winsted, Conn.
***McLay,** Alexander B., McMaster University, Hamilton, Canada.
McLean, William B., 413 Iowa Ave., Iowa City, Iowa. (State University of Iowa.)
McLenathen, Charles W., 1045 15th St., Boulder, Colo. (University of Colorado.)
McLeod, John H., Eastman Kodak Co., Rochester, N.Y.
***McMillan,** Edwin M., University of California, Berkeley, Calif.
McMillen, James H., Kansas State College, Manhattan, Kans.
McNall, John W., Massachusetts Institute of Technology, Cambridge A, Mass. (Westinghouse Electric & Manufacturing Co.)
McNally, James O., 48 Mountain Ave., Maplewood, N.J. (Bell Telephone Laboratories.)
McNatt, Eugene M., The Carter Oil Co., Tulsa, Okla.
McNeill, Donald B., 22 Knockdene Park South, Knock, Belfast, North Ireland. (University College.)
McNicholas, Harry J., 6354 32nd St. N.W., Washington, D.C. (National Bureau of Standards.)
McQuarrie, W. C., Frost Hollow Rd., R.D. 1, Easton, Pa. (Lafayette College.)
***McTaggart,** Henry A., University of Toronto, Toronto, Canada.
McTigue, Austin C., Canisius College, Buffalo, N.Y.
Meaker, Charlotte L., 14 Clinton St., Cambridge, Mass. (Massachusetts Institute of Technology.)
Meek, John M., Metropolitan-Vickers Electrical Co., Trafford Park, Manchester, England.
***Mees,** C. E. Kenneth, Eastman Kodak Co., Rochester, N.Y.
***Meggers,** William F., National Bureau of Standards, Washington, D.C.
Mei, Alexis I., University of San Francisco, San Francisco, Calif.
***Meissner,** Karl W., Worcester Polytechnic Institute, Worcester, Mass.
Melvin, Eugene H., Northern Regional Research Laboratory, Peoria, Ill.
Meitner, Lisa, Forsknings-Institutet för Fysik, Eksperimentalfeltet, Stockholm, Sweden.
Mendenhall, Hallam E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Menius, Arthur C., Jr., University of North Carolina, Chapel Hill, N.C.
Mercer, Charles F., University of South Carolina, Columbia, S.C.
Meredith, George T., 1433 South Tejon St., Colorado Springs, Colo.
***Merica,** Paul D., International Nickel Co., 67 Wall St., New York, N.Y.
Merrill, Frederic D., Jr., 30 Marion Ave., Millburn, N.J. (RCA Institute.)
Merrill, John B., Box 175, Towanda, Pa. (The Patterson Screen Co.)
***Merrill,** Paul W., Mount Wilson Observatory, Pasadena, Calif.
Merrill, Robert A., United States Rubber Co., 6600 East Jefferson, Detroit, Mich.
***Merritt,** Ernest, 1 Grove Pl., Ithaca, N.Y. (Cornell University.)
Merrymon, William W., Box 816, Williamsburg, Va. (The College of William and Mary.)
Mertz, Pierre, 88–29 249th St., Bellerose, N.Y. (Bell Telephone Laboratories.)
***Merwin,** Herbert E., 2946 Newark St., Washington, D.C. (Geophysical Laboratory.)
Meschter, Emery, DuPont Film Manufacturing Corp., Parlin, N.J.
Meservey, Arthur B., 24 Occom Ridge, Hanover, N.H. (Dartmouth College.)
Meservey, Edward B., Columbia University, New York, N.Y.
***Messenger,** Helen A., 720 West End Ave., New York, N.Y. (Hunter College.)
Metcalf, Richard P., Western Maryland College, Westminster, Md.
Metropolis, Nicholas, University of Chicago, Chicago, Ill.
Metz, Sister Aloysius Marie, Trinity College, Washington, D.C.

*Meyer, Charles F., 1137 Fair Oaks Pkwy., Ann Arbor, Mich. (University of Michigan.)
Meyer, J. Franklin, National Bureau of Standards, Washington, D.C.
Michels, A. M., Middenweg 193, Amsterdam, Holland. (University of Amsterdam.)
*Michels, Walter C., Bryn Mawr College, Bryn Mawr, Pa.
Middlehurst, Donald J., Victor Equipment Co., 844 Folsom St., San Francisco, Calif.
Miduno, Zen'emon, Rigakubu, Kyusyu, Teikokudaigaku, Hukuoka, Japan. (Kyusyu Imperial University.)
Miessner, Benjamin F., Miessner Inventions, Inc., 18 Main St., Millburn, N.J.
Miki, Tadao, Tokyo Imperial University, Tokyo, Japan.
Milatz, J. M. W., University of Utrecht, Utrecht, Holland.
*Milham, Willis I., Williamstown, Mass. (Williams College.)
*Millar, Preston S., Electrical Testing Laboratories, 79th St. and East End Ave., New York, N.Y.
Miller, Bertrand J., St. Louis University, St. Louis, Mo.
*Miller, Carl W., 32 Balton Rd., Providence, R.I. (Brown University.)
Miller, Charles G., 2306 Ellsworth St., Berkeley, Calif. (University of California.)
*Miller, Dayton C., Case School of Applied Science, Cleveland, Ohio.
Miller, Donald S., United States Steel Corp., Kearny, N.J.
Miller, Edward E., University of Wisconsin, Madison, Wis.
Miller, Emery P., Purdue University, Lafayette, Ind.
Miller, Franklin, Jr., Rutgers University, New Brunswick, N.J.
Miller, George P., 1 West St., Gettysburg, Pa. (Gettysburg College.)
Miller, Henry J., P.O. Box 35, South Orange, N.J.
Miller, Kenneth J., Mellon Institute of Industrial Research, 4400 Fifth Ave., Pittsburgh, Pa.
Miller, Kenneth W., 72 West Adams St., Chicago, Ill. (Utilities Research Commission.)
Miller, Leonard C., 2915 Connecticut Ave. N.W., Washington, D.C. (National Bureau of Standards.)
*Miller, Louallen F., University of Minnesota, Minneapolis, Minn.
Miller, Park H., Jr., 904 Lindale Ave., Drexel Hill, Pa.
Miller, Raymond F., College of Emporia, Emporia, Kans.
Miller, Robert D., Shell Oil Co. Inc., Box 2099, Houston, Tex.
Millican, Francis M., University of Washington, Seattle, Wash.
*Millikan, Robert A., California Institute of Technology, Pasadena, Calif.
Millman, Jacob, 225 West 232nd St., New York, N.Y. (College of the City of New York.)
*Millman, Sidney, Columbia University, New York, N.Y. (College of the City of New York.)
*Mills, John, Bell Telephone Laboratories, 463 West St., New York, N.Y.
*Mimno, Harry R., Harvard University, Cambridge, Mass.
Minakawa, Osamu, 753, Zoshigaya-Machi, 5-Chome, Toshima-Ku, Tokyo, Japan.
Mindlin, Raymond D., Columbia University, New York, N.Y.
Mingins, Charles R., 5 Church St., Poultney, Vt.
*Minor, Ralph S., 2514 Cedar St., Berkeley, Calif. (University of California.)
*Minton, John P., 721 Browder St., Dallas, Tex. (Magnolia Petroleum Co.)
Mintz, Esther U., 20 Magaw Pl., New York, N.Y. (Hunter College.)
*Mitchell, Allan C. G., Indiana University, Bloomington, Ind.
Mitchell, Dana P., Columbia University, New York, N.Y.
Mitchell, Elizabeth A., Stadium Avenue Rd., Lafayette, Ind. (Purdue University.)
Mitchell, Ferdinand H., University of Virginia, Charlottesville, Va.
Mitchell, H. Rees, The Citadel, Charleston, S.C.
Mitchell, Madeline M., American Institute of Physics, 175 Fifth Ave., New York, N.Y.
Mitchell, Paul C., N. Y. Institute for the Education of the Blind, 999 Pelham Pkwy., New York, N.Y. (Teachers College.)
Miyake, Iwao, University of Hawaii, Honolulu, T.H.
Miyake, Shizuo, Shimmei-cho 38, Suginami-ku, Tokyo, Japan.
Miyamoto, Goro, Institute of Physical and Chemical Research, Tokyo, Japan.
Mock, Frank C., 1086 East 39th St., Brooklyn, N.Y.
Moe, C. R., San Diego State College, San Diego, Calif.
*Moffitt, George W., 472 Alpine Ter., Ridgewood, N.J.
Möglich, Friedrich, Kaiseralle 79a, Friedenau, Berlin, Germany.
*Mohler, Fred L., National Bureau of Standards, Washington, D.C.
Mohler, Nora M., 27 Langworthy Rd., Northampton, Mass. (Smith College.)
Mohr, Franklin, Box 65, Atlantic Highlands, N.J. (Bell Telephone Laboratories.)
Molby, Fred A., 301 Cornell Ave., Morgantown, W.Va. (West Virginia University.)
Molnar, Julius P., Massachusetts Institute of Technology, Cambridge A, Mass.
Momota, Teruo, Osaka Imperial University, Osaka, Japan.
Mongan, Charles E., Jr., 333 Homestead Ave., Box 1620, Hartford, Conn.
*Monk, George S., University of Chicago, Chicago, Ill.
Monroe, Elizabeth, Cornell University, Ithaca, N.Y.
*Montgomery, Carol G., Yale University, New Haven, Conn.
*Montgomery, Dorothy D., Yale University, New Haven, Conn.
Moon, Parry, Massachusetts Institute of Technology, Cambridge A, Mass.
Mooney, Melvin, United States Rubber Co., Passaic, N.J.
Mooney, Robert L., Georgetown University, Washington, D.C.
*Mooney, Rose C. L., Newcomb College, New Orleans, La.
Moore, Dan H., Columbia University College of Physicians and Surgeons, New York, N.Y.
Moore, Edward J., University of Buffalo, Buffalo, N.Y.
Moore, George E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Moore, Kenneth H., Rensselaer Polytechnic Institute, Troy, N.Y.
Moore, William C., 42 Chesterfield Rd., Stamford, Conn. (United States Industrial Chemicals, Inc.)
Moore, William H., Jr., University of Washington, Seattle, Wash.
Moorhead, John G., 218 Park St., New Wilmington, Pa. (Westminster College.)
Morand, Max, St. Maurice-des-Lions, Charente, France.
*More, Kenneth R., Ohio State University, Columbus, Ohio.
Morehouse, D. W., Drake University, Des Moines, Iowa.
Morgan, Frank, Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Morgan, Harold E., Fenn College, Cleveland, Ohio.
Morgan, Jasper E., Duke University, Durham, N.C.
Morgan, Joseph, Texas Agricultural and Mechanical College, College Station, Tex.
Morgan, Karl Z., 1919–15th Ave., Hickory, N.C. (Lenoir Rhyne College.)
Morgan, Raymond, University of Pennsylvania, Philadelphia, Pa.
Morgan, Robert, 936 President St., Brooklyn, N.Y. (Frederick Loeser & Co.)
Morgan, Ted J., 2117 Ashby Ave., Berkeley, Calif. (University of California.)
Morningstar, Otto, Shawmut, Ala. (West Point Manufacturing Co.)
Morris, Joseph C., 1566 Webster St., New Orleans, La. (Princeton University.)
Morris, L. Tarver, 608 West Jefferson, Waxahachie, Tex.
Morris, Lloyd P., 4835 Walton St., Chicago, Ill. (Galvin Manufacturing Co.)
Morris, Lloyd W., Louisiana State University, University, La.
Morris, Wilford E., 1014 Cornwell Pl., Ann Arbor, Mich. (University of Michigan.)
Morris, Wilson C., 120 West South St., Warrensburg, Mo. (Central Missouri State Teachers College.)
Morrison, Louis A., 183 Greenwood Ave., Madison, N.J. (Bell Telephone Laboratories.)
Morrison, S. Elisabeth, Box 694, East Lansing, Mich. (Michigan State College.)
Morrissey, Robert B., 295 Convent Ave., New York, N.Y. (Manhattanville College.)
Morrow, Pauline H., 290 Massachusetts Ave., Cambridge, Mass. (Massachusetts Institute of Technology.)
Morrow, Roger M., Iowa Wesleyan College, Mount Pleasant, Iowa.

Morscher, Lawrence N., Jr., 10401 East Jefferson Ave., Detroit, Mich. (United States Rubber Co.)
***Morse,** Jared K., Cedar Ledge, East Haddam, Conn.
***Morse,** Leighton B., 206 Christie Hghts. St., Leonia, N.J. (College of the City of New York.)
***Morse,** Philip M., Massachusetts Institute of Technology, Cambridge A, Mass.
Mortlock, Frank O., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Morton, George A., 301 Ninth Ave., Haddon Hghts., N.J. (RCA Manufacturing Co.)
***Mott-Smith,** Harold W., University of Illinois, Urbana, Ill.
***Mott-Smith,** Lewis M., 1911 West Alabama St., Houston, Tex. (Mott-Smith Corp.)
Motz, Lloyd, Columbia University, New York, N.Y.
***Mountcastle,** Harry W., Western Reserve University, Cleveland, Ohio.
Mouromtseff, Ilia E., 219 Montclair Ave., Montclair, N.J. (Westinghouse Electric & Manufacturing Co.)
***Mouzon,** J. C., Duke University, Durham, N.C.
Moyer, Burton J., Greenville College, Greenville, Ill.
Moyer, James W., Rutgers University, New Brunswick, N.J.
***Mrozowski,** Stanislaw, University of Chicago, Chicago, Ill.
Muckenhoupt, Carl F., Northeastern University, Boston, Mass.
Mueller, Donald W., Hartford Empire Co., Hartford, Conn.
***Mueller,** Hans, Massachusetts Institute of Technology, Cambridge A, Mass.
Mueller, J. H., Universitäts Frauenklinik, Zürich, Switzerland.
***Mulliken,** Robert S., University of Chicago, Chicago, Ill.
Mundie, Lloyd G., Purdue University, Lafayette, Ind.
Munro, George C., 316 North 2nd St., Hamilton, Ohio. (Champion Paper & Fiber Co.)
Murakawa, Kiyoshi, Aeronautical Research Institute, Tokyo, Japan.
Muraoka, Keizo, 28 Yoshida-kamioji, Kyoto, Japan.
Murch, Leslie F., Dartmouth College, Hanover, N.H.
***Murdock,** Carleton C., 319 Wait Ave., Ithaca, N.Y. (Cornell University.)
***Murnaghan,** Francis D., The Johns Hopkins University, Baltimore, Md.
Murphey, Byron F., University of Minnesota, Minneapolis, Minn.
Murphy, Edgar J., 70 Linn Ave., Yonkers, N.Y. (College of the City of New York.)
Murphy, Edward J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Murphy,** George M., Yale University, New Haven, Conn.
Murray, Allen E., 815 Park Ave., Hamilton, Ohio.
Murray, Forrest H., 5412 Kimbark Ave., Chicago, Ill. (Illinois Department of Labor, Bureau of Statistics and Research.)
Murray, Linwood A., Jr., 222 Paulison Ave., Passaic, N.J. (United States Rubber Co.)
Murray, Sister Mary Samuela, 845 North Van Buren St., Milwaukee, Wis. (St. John Cathedral High School.)
Murray, Robert T. K., Brooklyn Polytechnic Institute, Brooklyn, N.Y.
Murrell, Thomas A., University of Wisconsin, Madison, Wis.
***Muskat,** Morris, Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Mutch, W. W., Jamestown College, Jamestown, N.Dak.
Muto, Toshinosuke, Institute for Advanced Study, Princeton, N.J. (Kyushu Imperial University.)
Muzzey, David S., Jr., 2912 Ella Lee Lane, Houston, Tex. (Shell Oil Co.)
Myers, Frank E., Massachusetts Institute of Technology, Cambridge A, Mass. (New York University.)
Myers, Ralph D., University of Maryland, College Park, Md.

Nafe, John E., Columbia University, New York, N.Y.
Nag, Basanti D., University of California, Berkeley, Calif.
***Nagaoka,** Hantaro, Institute of Physical and Chemical Research, Tokyo, Japan.
Nagase, Masahumi, Rika-no-Ie, 64, Hayasi-mati, Koisikawa, Tokyo, Japan. (Keizyo Imperial University.)
Nahmias, Maurice E., College of France, Paris, France.
Naidu, R., Tata Memorial Hospital, Bombay, India.
Nakagawa, Shigeo, 3 Hikawacho, Nakano, Tokyo, Japan. (Institute of Physical and Chemical Research.)
Naudé, Stefan M., University of Stellenbosch, Stellenbosch, South Africa.
Neddermeyer, Seth H., California Institute of Technology, Pasadena, Calif.
Nedelsky, Leo, 6010 Dorchester Ave., Chicago, Ill. (University of Chicago.)
***Neher,** H. Victor, California Institute of Technology, Pasadena, Calif.
Nelms, William S., Emory University, Ga. (Emory University.)
Nelson, Edward B., Columbia University, New York, N.Y.
Nelson, Harold R., Battelle Memorial Institute, 505 King Ave., Columbus, Ohio.
Nelson, Herbert, 3 Willard Ave., Bloomfield, N.J. (RCA Manufacturing Co.)
Nelson, Martin E., Ohio State University, Columbus, Ohio.
Nelson, R. Andrew, Fertilizer Research Division, Bureau of Plant Industry Washington, D.C.
Nelson, Roy A., 702 Eighth Ave. North, Mount Vernon, Iowa. (Cornell College.)
Nergaard, Leon S., RCA Manufacturing Co., Camden, N.J.
***Nettleton,** Lewis L., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Neufeld, Jacob, Engineering Laboratories, 620 East 4th St., Tulsa, Okla.
Neuman, L. J., 1520 Hawthorne, Houston, Tex.
Newby, Neal D., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Newhall, Herbert F., Cornell University, Ithaca, N.Y.
Newman, Leroy L., Jr., 512½ Jefferson Ave., Houston, Tex. (Hughes Tool Co.)
Newman, Marcel K., Columbia University, New York, N.Y.
Newson, Henry W., University of Chicago, Chicago, Ill.
Nicholas, Warren W., 7609–34th Ave., Jackson Hghts., N.Y. (General Chemical Co.)
Nichols, Myron H., Princeton University, Princeton, N.J.
Nichols, Nathaniel B., 150 Pinnacle Rd., Rochester, N.Y. (Taylor Instrument Cos.)
Nicholson, P. J., Antigonish University, Nova Scotia, Canada.
Nickerson, John L., Columbia University School of Medicine, New York, N.Y.
Nickol, John P., Box 65, Loudonville, N.Y. (Siena College.)
Nicolson, Alexander M., 55 East 76th St., New York, N.Y.
***Nielsen,** Alvin H., University of Tennessee, Knoxville, Tenn.
***Nielsen,** Harald H., Ohio State University, Columbus, Ohio.
***Nielsen,** J. Rud, University of Oklahoma, Norman, Okla.
Nielsen, Russell A., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
***Nielsen,** Walter M., Duke University, Durham, N.C.
***Nier,** Alfred O., University of Minnesota, Minneapolis, Minn.
Nile, Stephen W., College Hill, Clinton, N.Y. (Hamilton College.)
Nishi, T., Tokyo Imperial University, Tokyo, Japan.
Nishida, Sotohiko, Kohnan High School, Hyogoken, Japan.
***Nishikawa,** Shoji, 82 Otsuka-Sakashita-Cho, Koishikawa-Ku, Tokyo, Japan. (Tokyo Imperial University.)
Nishina, Yoshio, Institute of Physical and Chemical Research, Tokyo, Japan.
***Nix,** Foster E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Nogami, M., Kushu Imperial University, Hakozaki, Fukuoka, Japan.
Noguchi, Koju, Institute of Physical and Chemical Research, Tokyo, Japan.
Nolan, Philip, Institute of Paper Chemistry, Appleton, Wis.
Noll, F. H. Waldemar, Berea College, Berea, Ky.
Nonaka, Itaru, Tokyo-Shibaura Denki K. K., Kawasaki, Kanagawaken, Japan.
***Nordheim,** Lothar W., Duke University, Durham, N.C.
***Nordsieck,** Arnold, Columbia University, New York, N.Y.
Norgorden, Oscar, 436 Mellon St. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
Norinder, Harald E., Husbyborg, Uppsala, Sweden.
Norman, Haskell F., Kingston, Mass. (Harvard University.)
Norris, Will V., University of Oregon, Eugene, Ore.
North, Dwight O., RCA Manufacturing Co., Harrison, N.J.
Northrop, Paul A., Vassar College, Poughkeepsie, N.Y.

Northrup, Doyle A., 1863 Kalorama Rd., Washington, D.C.
***Norton,** Charles L., Massachusetts Institute of Technology, Cambridge A, Mass.
Norton, Edward L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Norton,** Frederick H., Massachusetts Institute of Technology, Cambridge A, Mass.
Norton, John T., Massachusetts Institute of Technology, Cambridge A, Mass.
Norton, Kenneth A., 4623 Kenmore Dr. N.W., Washington, D.C. (Federal Communications Commission.)
***Nottingham,** Wayne B., Massachusetts Institute of Technology, Cambridge A, Mass.
Noyes, Atherton, Jr., 23 Fernwood Pl., Mountain Lakes, N.J. (Aircraft Radio Corp.)
Noyes, Bradford, Taylor Instrument Cos., 95 Ames St., Rochester, N.Y.
***Noyes,** William A., Jr., University of Rochester, Rochester, N.Y.
Nuckolls, Richard G., University of Minnesota, Minneapolis, Minn.
Nugent, Robert G., 202 South Pitt St., Alexandria, Va. (Catholic University of America.)
Null, Fay E., College of the City of New York, New York, N.Y.
Núñez Berro, María del C., Maceo 28, Holguin, Oriente, Cuba.
***Nusbaum,** Christian, Case School of Applied Science, Cleveland, Ohio.
Nusbaum, Ralph E., General Motors Corp., Detroit, Mich.
Nutting, Floyd L., Drexel Institute of Technology, Philadelphia, Pa.
***Nutting,** Perley G., U. S. Geological Survey, Washington, D.C.
Nye, Arthur W., University of Southern California, Los Angeles, Calif.
Nye, Herbert A., University of Illinois, Urbana, Ill.
Nyquist, Harry, 29 Marion Ave., Millburn, N.J. (Bell Telephone Laboratories.)
Nyswander, Reuben E., 2151 South Josephine St., Denver, Colo. (University of Denver.)

Oberly, John J., Rutgers University, New Brunswick, N.J.
***O'Brien,** Brian, University of Rochester, Rochester, N.Y.
***O'Bryan,** Henry M., Georgetown University, Washington, D.C.
O'Byrne, Sister Michael E., Incarnate Word College, San Antonio, Tex.
O'Callahan, Joseph T., Holy Cross College, Worcester, Mass.
Ochiai, Kiichiro, Tokyo Imperial University, Tokyo, Japan.
O'Conor, John S., Woodstock College, Woodstock, Md.
Odajima, Shuzo, Kobe Seikosho, Mieken Toba, Japan.
O'Day, Marcus, Reed College, Portland, Ore.
O'Donnell, T. J., Gravene 2, Viborg, Denmark.
Ogata, Koreiti, 33–30 Hinojiri, Danjo, Kotomura Mukogun, Hyogoken, Japan. (Osaka Imperial University.)
Ogura, Kinnosuke, Shiomi Kenkyusho, Kitaku, Osaka, Japan.
Ohmata, Hidesuke, L27 Ohaza-Ohmino, Ohkusamura, Osaka, Japan.
Ohno, Saizo, Mitsubishi Electric Co., Kobe, Japan.
Okaya, Tokiharu, Osaka Imperial University, Osaka, Japan.
Okayama, Taisuke, Ube Technical College, Yamaguchi Ken, Japan.
O'Leary, Austin J., College of the City of New York, 17 Lexington Ave., New York, N.Y.
***Oldenberg,** Otto, Harvard University, Cambridge, Mass.
Oleson, Norman L., U. S. Coast Guard Academy, New London, Conn.
Oliver, Anne R., 2312 North Charles St., Baltimore, Md. (Goucher College.)
***Olmstead,** Paul S., Essex Fells, N.J. (Bell Telephone Laboratories.)
Olmsted, Charles M., 46½ West Huron St., Buffalo, N.Y.
***Olpin,** A. Ray, 2040 Tremont Rd., Columbus, Ohio.
Olsen, Julius, 1204 Vogel Ave., Abilene, Tex.
Olsen, Leonard O., Case School of Applied Science, Cleveland, Ohio.
***Olshevsky,** Dimitry E., Hangar E., Roosevelt Field, Mineola, N.Y. (Helicopter Corp. of America.)
Olson, Harold T., Folmer Graflex Corp., Rochester, N.Y.
Olson, Harry F., RCA Manufacturing Co., Camden, N.J.
Onda, Sikizi, 802 Matsubara-cho 3-chome, Tokyo, Japan. (Nihon Medical College.)
O'Neal, Russell D., University of Illinois, Urbana, Ill.
O'Neil, Thomas J. W., Brooklyn College, Brooklyn, N.Y.
Ono, Mituo, 16, Buhei-Tyo, 2-Tyome, Higasi-ku, Nagoya, Japan. (Nagoya Imperial University.)
Ono, Suminosuke, 82 Otuka Sakasitatyo, Koisikawa, Tokyo, Japan.
***Onsager,** Lars, 15 Giles St., Hamden, Conn. (Yale University.)
Oplinger, Kirk A., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Oppenheimer, Frank, Stanford University, Stanford University, Calif.
***Oppenheimer,** J. R., University of California, Berkeley, Calif.
Orndoff, Benjamin H., 2561 North Clark St., Chicago, Ill.
Osborn, Frederick A., University of Washington, Seattle, Wash.
***Osborne,** Harold S., American Telephone & Telegraph Co., 195 Broadway, New York, N.Y.
***Osgood,** Thomas H., University of Toledo, Toledo, Ohio.
Oshima, Kyujiro, Tokyo Koto Gakko, Tokyo, Japan.
Oshry, Howard I., 7046 Penn Ave., Pittsburgh, Pa. (U. S. Bureau of Mines.)
Oswald, Albert G., Michigan College of Mining and Technology, Houghton, Mich.
Otake, G., College of Technology, Hamamatsu, Japan.
Otis, Charles F., 12 Hawthorne St., Bradford, Mass. (Syracuse University.)
Otis, Herbert N., 2639 Sedgwick Ave., New York, N.Y. (Hunter College.)
Ott, Howard F., Eastman Kodak Co., Rochester, N.Y.
Ott, Lawrence, Yale University, New Haven, Conn.
Overbeck, Clarence J., Northwestern University, Evanston, Ill.
Overn, Oswald B., 1222 St. Anthony Ave., St. Paul, Minn. (Concordia College.)
Ovrebo, Paul J., 210 West Chestnut St., Selinsgrove, Pa. (Susquehanna University.)
Owen, Gwilym E., Antioch College, Yellow Springs, Ohio.
Owens, C. Dale, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Owens, James S., Armstrong Cork Co., Lancaster, Pa.
Oxley, Charles L., University of Rochester, Rochester, N.Y.
Ozaki, Shoji, Institute of Physical and Chemical Research, Tokyo, Japan.

Packer, Donald M., 1021 South Barton St., Arlington, Va. (Bureau of Ordnance, U. S. Navy.)
Page, Chester H., 330 Cattell St., Easton, Pa. (Lafayette College.)
***Page,** Leigh, Yale University, New Haven, Conn.
Page, Newell C., Massachusetts Institute of Technology, Cambridge A, Mass.
Paine, George R., University of Rochester, Rochester, N.Y.
Palmer, Elton M., 67 Wexford St., Springfield, Mass. (Gulf Research & Development Co.)
***Palmer,** Frederic, Jr., Haverford College, Haverford, Pa.
Palmer, Lionel S., The University College, Hull, England.
Palmer, R. Ronald, Millikin University, Decatur, Ill.
Paneth, Frederick A., University of Durham, Durham, England.
Panofsky, Wolfgang K. H., California Institute of Technology, Pasadena, Calif.
Pardue, Louis A., University of Kentucky, Lexington, Ky.
Park, Helen B., Massachusetts Institute of Technology, Cambridge A, Mass.
Park, Robert D., 12943 Clifton Blvd., Lakewood, Ohio. (Bureau of Ordnance, U. S. Navy.)
Parker, Allan E., Electrical Testing Laboratories, 79th St. & East End Ave., New York, N.Y.
Parker, Carlyle V., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Parker, Floyd W., State University of Iowa, Iowa City, Iowa.
Parker, Herbert M., Tumor Institute of the Swedinsh Hospital, 1211 Marion St., Seattle, Wash.
Parker, Hermon M., Cornell University, Ithaca, N.Y.
Parker, William L., University of Illinois, Urbana, Ill.
Parkins, William E., Cornell University, Ithaca, N.Y.
Parkinson, David B., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Parlin, Wellington A., Dickinson College, Carlisle, Pa.
Parmley, Thomas J., University of Utah, Salt Lake City, Utah.
Parnell, Else B., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
Parodi, Hippolyte, 12 Avenue Alphand, Paris, France. (Conservatoire national des Arts et Métiers.)

Parr, Harry L., Columbia University, New York, N.Y.
Parr, J. O., Jr., Petty Laboratories, Inc., P.O. Drawer 2061, San Antonio, Tex.
***Parratt,** Lyman G., Cornell University, Ithaca, N.Y.
Parsegian, V. Lawrence, C. J. Tagliabue Manufacturing Co., 540 Park Ave., Brooklyn, N.Y.
Parshall, Clarence M., Purdue University, Lafayette, Ind.
Parson, Karl A., State Teachers College, Moorhead, Minn.
***Parsons,** Louis A., Box K, Hampstead, Md. (Whitman College.)
Parsons, Raymond V., Johns-Manville Corp., 22 East 40th St., New York, N.Y.
Parsons, S. L., Hygrade Sylvania Corp., Emporium, Pa.
Partlo, Fay L., 213 Blanche St., Houghton, Mich. (Michigan College of Mining and Technology.)
Pasternack, Simon, San Bernardino Valley Junior College, San Bernardino, Calif.
***Paton,** Robert F., University of Illinois, Urbana, Ill.
Patten, Charles G., College of the Pacific, Stockton, Calif.
***Patterson,** A. L., Bryn Mawr College, Bryn Mawr, Pa.
Patterson, Chalmer N., 608 West Washington St., Champaign, Ill. (Civilian Conservation Corps.)
***Patterson,** Robert A., Rensselaer Polytechnic Institute, Troy, N.Y.
Pattin, Howard S., 1838 Willow Ave., Niagara Falls, N.Y. (National Carbon Co.)
Patty, John R., State A. & M. College, State College, Ark.
Paul, Frederick W., University of Rochester, Rochester, N.Y.
***Pauli,** Wolfgang, Institute for Advanced Study, Princeton, N.J.
Paulin, Eugene A., St. Mary's University, San Antonio, Tex.
***Pauling,** Linus, California Institute of Technology, Pasadena, Calif.
Paxton, Hugh C., Columbia University, New York, N.Y.
Payne, J. Fred, Jr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
Payne, L. Donald, 1623 Francisco St., Berkeley, Calif. (Shell Development Co.)
Payne, William T., North Dakota Agricultural College, Fargo, N.D.
Peacock, Henry B., 2408 Riverside Dr., Houston, Tex. (Geophysical Service, Inc.)
Peacock, Wendell C., 4511–20 N.E., Seattle, Wash. (University of Washington.)
Pearce, Joseph A., Dominion Astrophysical Observatory, Victoria, Canada.
Pearsall, Anna W., 12 Montgomery St., Hamilton, N.Y. (Hamilton Central School.)
Pearse, R. W. B., Royal College of Science, London, England.
***Pearson,** Gerald L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Pearson, John M., 1608 Walnut St., Philadelphia, Pa. (Susquehanna Pipe Line Co.)
Peck, Edson R., 1233 Crain St., Evanston, Ill. (University of Chicago.)
Peck, Mahlon F., 213 Raymond St., Chevy Chase, Md. (National Bureau of Standards.)
***Peczalski,** T., Institute of Theoretical Physics, Poznan, Poland. (Present address unknown.)
***Pegram,** George B., Columbia University, New York, N.Y.
Pekeris, Chaim, Massachusetts Institute of Technology, Cambridge A, Mass.
Pelsor, Gene T., c/o F. A. Pelsor, 509 West Boulder St., Colorado Springs, Colo. (Stanolind Oil & Gas Co.)
***Pender,** Harold, University of Pennsylvania, Philadelphia, Pa.
Penney, Gaylord W., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Penney, William G., Imperial College, London, England.
Penrod, E. B., 143 Oak St., Hillsdale, Mich. (Hillsdale College.)
Peoples, James A., Jr., Sperry Gyroscope Co., Garden City, N.Y.
Pepinsky, Raymond, United States Rubber Co., Providence, R.I.
Perkins, Beauregard, Jr., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
***Perkins,** Henry A., Trinity College, Hartford, Conn.
Perkins, J. R., 341 East Main St., Grove City, Pa. (Grove City College.)
Perkins, Wallace W., 22 Devonshire Rd., Pleasant Ridge, Mich. (General Motors Corp.)
Perlow, Gilbert J., University of Minnesota, Minneapolis, Minn.
Perret, William R., U. S. Waterways Experiment Station, Box 631, Vicksburg, Miss.
Perrine, James O., American Telephone & Telegraph Co., 195 Broadway, New York, N.Y.
Perry, Joseph E., Jr., University of Rochester, Rochester, N.Y.
Perry, Robert W., 349 Pleasant St., Malden, Mass. (Malden High School.)
Perry, Thomas, Bennington College, Bennington, Vt.
Perry, William S., University of Florida, Gainesville, Fla.
Pestrecov, Konstantin V., 143 Chestnut St., Rochester, N.Y. (Bausch & Lomb Optical Co.)
Peters, Bernard, 30 Panoramic Way, Berkeley, Calif. (University of California.)
Peters, J. Clarence, Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
***Peters,** Leo J., Gulf Oil Corp., P.O. Box 661, Tulsa, Okla.
Petersen, Max H., Lehigh University, Bethlehem, Pa.
Peterson, Eugene, Bell Telephone Laboratories, 180 Varick St., New York, N.Y.
Petrauskas, Alexander A., Massachusetts Institute of Technology, Cambridge A, Mass.
Petrovich, Anton, 676 Shelton St., Bridgeport, Conn.
Petry, Robert L., University of the South, Sewanee, Tenn.
Petty, Gerald M., The Fidelity & Casualty Co. of New York, 80 Maiden Lane, New York, N.Y.
Pfanstiehl, Carl, Pfanstiehl Chemical Co., 104 Lake View Ave., Waukegan, Ill.
***Pfund,** A. Herman, The Johns Hopkins University, Baltimore, Md.
Phebus, William C., 527 Courtland Ave., Park Ridge, Ill. (Jefferson Electric Co.)
Phelps, Everett R., 16835 Sunderland Rd., Detroit, Mich. (Wayne University.)
Phelps, Francis P., National Bureau of Standards, Washington, D.C.
***Phillips,** H. B., Massachusetts Institute of Technology, Cambridge A, Mass.
***Phillips,** L. W., University of Illinois, Urbana, Ill.
Phillips, Marcella L., c/o Major J. F. Phillips, Office of Chief of Air Corps, Washington, D.C.
***Phillips,** Melba, 298 West 11th St., New York, N.Y. (Brooklyn College.)
Phillips, Theodore G., 5945 Belmont Ave., Chicago, Ill. (Wright Junior College.)
Phillips, Thomas D., Marietta College, Marietta, Ohio.
Philpott, Charles W., 727 Main St., Chadron, Nebr. (Nebraska State Normal College.)
Pickering, William H., California Institute of Technology, Pasadena, Calif.
Pidgeon, Howard A., 26 Berkeley Rd., Maplewood, N.J. (Bell Telephone Laboratories.)
Pielemeier, W. H., 517 East Foster Ave., State College, Pa. (Pennsylvania State College.)
Pienkowsky, Arthur T., National Bureau of Standards, Washington, D.C.
***Pierce,** George W., Harvard University, Cambridge, Mass.
Pierce, John R., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Piersol, Robert J., State Geological Survey, Urbana, Ill.
Pietenpol, Clarence J., Washington and Jefferson College, Washington, Pa.
***Pietenpol,** William B., University of Colorado, Boulder, Colo.
Piety, Raymond G., 521 East 11th St., Bartlesville, Okla. (Phillips Petroleum Co.)
Pike, Eugene W., P.O. Box 166, Swarthmore, Pa. (Andrews & Perillo, Inc.)
Piore, E. R., Columbia Broadcasting System, 485 Madison Ave., New York, N.Y.
Piston, Donald S., 2823 Harrison Ave., Fresno, Calif.
Pittman, Melvin A., Madison College, Harrisonburg, Va.
Placzek, George, Cornell University, Ithaca, N.Y.
Plain, Gilbert J., State University of Iowa, Iowa City, Iowa.
Planiol, René, 146 East 39th St., New York, N.Y. (Laboratoire de Physique de l'École Normale.)
Platt, John R., University of Michigan, Ann Arbor, Mich.
Platt, Joseph B., Cornell University, Ithaca, N.Y.

Plesset, Ernst H., University of Pennsylvania, Philadelphia, Pa.
***Plesset,** Milton S., California Institute of Technology, Pasadena, Calif.
Plott, Robert F., 137 North Oakland Ave., Green Bay, Wis.
Plum, William B., 313 Soward, Winfield, Kans. (Southwestern College.)
Plumb, Hylon T., 2400 Sunnyside, Salt Lake City, Utah. (General Electric Co.)
Plummer, Jesse H., Owens-Illinois Glass Co., Westwood Ave., Toledo, Ohio.
***Plyler,** Earle K., University of North Carolina, Chapel Hill, N.C.
Pockman, Leonard T., 755 Brown St., Dayton, Ohio.
Podolsky, Boris, University of Cincinnati, Cincinnati, Ohio.
Poetker, Albert H., University of Detroit, Detroit, Mich.
Poindexter, Franklin E., 1208 South McKnight Rd., St. Louis, Mo.
Polin, Herbert S., H. S. Polin Laboratories, Inc., 405 Lexington Ave., New York, N.Y.
***Pollard,** Ernest, Yale University, New Haven, Conn.
Pollard, William G., University of Tennessee, Knoxville, Tenn.
Pollock, Herbert C., General Electric Co., Schenectady, N.Y.
Polster, Harry DeL., University of Rochester, Rochester, N.Y.
Pomerantz, Martin A., Bartol Research Foundation, Swarthmore, Pa.
Pomeroy, George A., 1709 Ralston Ave., Burlingame, Calif. (San Mateo Junior College.)
***Pool,** M. L., Ohio State University, Columbus, Ohio.
Pope, Thomas J., Bell Telephone Laboratories, 180 Varick St., New York, N.Y.
Poppy, Willard J., Fenn College, Cleveland, Ohio.
Poritsky, Abraham, 1770 East 238th St., Cleveland, Ohio. (Cleveland Wire Works and General Electric Company.)
Porter, Bernard H., Acheson Colloids Corp., 1019 Broad St., Newark, N.J.
Porter, David D., Box 42, Stelton, N.J. (Rutgers University.)
***Porter,** Royal A., 861 Ostrom Ave., Syracuse, N.Y. (Syracuse University.)
Post, Carl B., The Carpenter Steel Co., Reading, Pa.
***Potapenko,** Gennady W., California Institute of Technology, Pasadena, Calif.
Potter, Clifford M., Box 112, Alfred, N.Y. (Alfred University.)
Potter, James G., South Dakota State School of Mines, Rapid City, S.Dak.
***Potts,** Louis M., 1205 Elmwood Ave., Evanston, Ill.
Poulter, Thomas C., Armour Research Foundation, Chicago, Ill.
Powell, Wilson M., Kenyon College, Gambier, Ohio.
Power, Archie D., RCA Manufacturing Co., Harrison, N.J.
Power, Carleton E., New York State College for Teachers, Albany, N.Y.
Powers, Philip N., 1409 University Ave., Columbia, Mo.
Powers, Wallace F., 30 Fearing St., Amherst, Mass. (Massachusetts State College.)
Pratt, Frank R., New Jersey College for Women, New Brunswick, N.J.
Pratt, Kenneth H., 127 Nahant St., Lynn, Mass. (General Electric Co.)
Preiswerk, Peter, Gloriastr. 35, Zürich, Switzerland. (Eidgenössische Technische Hochschule.)
Prescott, Charles H., Jr., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Present,** Richard D., Harvard University, Cambridge, Mass. (Purdue University.)
Presnell, Galen W., Washington Missionary College, Washington, D.C.
Preston, William M., Lincoln, Mass. (Harvard University.)
Prettyman, Irven B., 641 Sackett St., Cuyahoga Falls, Ohio. (Firestone Tire & Rubber Co.)
Pretz, Paschal H., St. Benedict's College, Atchison, Kans.
Price, William C., University of Cambridge, Cambridge, England.
Primakoff, Henry, Queens College, Flushing, N.Y.
Prince, Roy W., Jr., Massachusetts Institute of Technology, Cambridge A, Mass.
Prine, Charles W., Carnegie Institute of Technology, Pittsburgh, Pa.
Prins, J. A., Marktstraat 33, Wageningen, Holland.
Pritchard, Howard A., Box 107, Hiram, Ohio. (Harris Seybold Potter Co.)
***Proctor,** Charles A., Hanover, N.H. (Dartmouth College.)
Pryce, Maurice H. L., The University, Liverpool, England.
Pugh, Emerson M., Carnegie Institute of Technology, Pittsburgh, Pa.
Purcell, Edward M., Harvard University, Cambridge, Mass.
Purdom, Emil G., Guilford College, N.C. (Guilford College.)
Purks, J. Harris, Emory University, Ga. (Emory University.)

Quarles, Donald A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Quarles, Gilford G., University, Ala. (University of Alabama.)
Quigley, Thomas H., Holy Cross College, Worcester, Mass.
Quimby, Edith H., Memorial Hospital, 444 East 68th St., New York, N.Y.
***Quimby,** Shirley L., Columbia University, New York, N.Y.
Quirk, Arthur L., Providence College, Providence, R.I.

***Rabi,** I. I., Columbia University, New York, N.Y.
***Race,** Hubert H., General Electric Co., Schenectady, N.Y.
Radle, William, Dalton, Pa.
Ragan, George L., University of Wisconsin, Madison, Wis.
Ragosine, Victor, 416 West 118th St., New York, N.Y. (Bureau of Ordnance, U. S. Navy.)
Raines, Arnold, 518 West Coulter St., Philadelphia, Pa. (Frankford Arsenal.)
Raines, Barbara, 518 West Coulter St., Philadelphia, Pa. (Hunter College.)
Rainwater, James, Columbia University, New York, N.Y.
Raitt, Russell W., Geophysical Engineering Corp., 199 South Fair Oaks Ave., Pasadena, Calif.
Rajchman, Jan A., 1730 Spruce St., Philadelphia, Pa. (RCA Manufacturing Co.)
***Raman,** Sir C. V., Indian Institute of Science, Hebbal, Bangalore, India.
Ramberg, Edward G., 274 West Main St., Moorestown, N.J. (RCA Manufacturing Co.)
Ramirez, J. Emilio, Colegio de S. Bartolome, Bogota, Colombia.
***Ramsey,** Norman F., Jr., Massachusetts Institute of Technology, Cambridge A, Mass. (University of Illinois.)
***Ramsey,** Rolla R., 615 East 3rd St., Bloomington, Ind. (Indiana University.)
Randall, Charles A., Allen Academy, Bryan, Tex.
Randall, Dorus P., Box 28, University Station, Syracuse, N.Y. (Syracuse University.)
***Randall,** Harrison M., University of Michigan, Ann Arbor, Mich.
Randall, Robert H., 15 Daisy Pl., Tenafly, N.J. (College of the City of New York.)
Rank, David H., Pennsylvania State College, State College, Pa.
***Rasetti,** Franco, Laval University, Quebec, Canada.
***Rashevsky,** Nicolas, University of Chicago, Chicago, Ill.
Rassweiler, Gerald M., General Motors Corp., Detroit, Mich.
Rast, William L., Mellon Institute of Industrial Research, 4400 Fifth Ave., Pittsburgh, Pa.
Ratliff, R. T., School of Mines, Rolla, Mo.
Rawcliffe, Robert D., University of Illinois, Urbana, Ill.
Rayton, Willis M., Dartmouth College, Hanover, N.H.
Read, Donald N., Cooper Union, New York, N.Y.
Read, Harry S., 815 Embree Crescent, Westfield, N.J. (Wright Aeronautical Corp.)
Read, Thomas A., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Reber, Rufus K., 542 West 112th St., New York, N.Y. (College of the City of New York.)
Redding, Charles S., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
Redmond, Arthur H., P.O. Box 435, Walnut Creek, Calif. (The Dow Chemical Co.)
***Reese,** Herbert M., University of Missouri, Columbia, Mo.
Regener, Victor H., University of Chicago, Chicago, Ill.
Reich, Herbert J., University of Illinois, Urbana, Ill.
***Reid,** Harry F., 608 Cathedral St., Baltimore, Md. (The Johns Hopkins University.)
Reinhart, Raymond E., South Dakota State College, Brookings, S.Dak.

Reines, Frederick, Stevens Institute of Technology, Hoboken, N.J.
Reinheimmer, Hans, 53 Brayton Rd., Brighton, Mass. (Boston College.)
Reisner, John H., University of Virginia, Charlottesville, Va.
Renner, Hans H., Old Hawleyville Rd., Bethel, Conn.
***Rentschler,** Harvey C., 15 Monroe Ave., East Orange, N.J. (Westinghouse Electric & Manufacturing Co.)
Renzetti, Nicholas A., 170 Claremont Ave., New York, N.Y. (Columbia University.)
Reyerson, Lloyd H., University of Minnesota, Minneapolis, Minn.
Reynolds, Frederick W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Rhodes, Peyton N., Southwestern College, Memphis, Tenn.
Rhodes, René G., Cornell University, Ithaca, N.Y.
Rhoten, Rex R., 3107 Graham St., Seattle, Wash. (U. S. Weather Bureau.)
Ribner, Herbert S., 3515 Chesapeake, Hampton, Va. (National Advisory Committee for Aeronautics.)
Ricard, R., 25, rue du Plat, Lyon, France.
***Rice,** Chester W., 1161 Lowell Rd., Schenectady, N.Y. (General Electric Co.)
Rice, Martin E., 630 Ohio St., Lawrence, Kans. (University of Kansas.)
***Rice,** Oscar K., University of North Carolina, Chapel Hill, N.C.
Rich, Daniel L., University of Michigan, Ann Arbor, Mich.
Richards, Harold F., Florida State College for Women, Tallahasse, Fla.
***Richards,** Horace C., 509 Woodland Ter., Philadelphia, Pa. (University of Pennsylvania.)
Richards, Lorenzo A., Box 672, Riverside, Calif. (U. S. Department of Agriculture.)
Richards, Sterling J., New Jersey Agricultural Experiment Station, New Brunswick, N.J.
Richardson, Donald E., Illinois Institute of Technology, Chicago, Ill.
***Richardson,** J. Reginald, University of Illinois, Urbana, Ill.
***Richardson,** Sir Owen W., Chandos Lodge, Alton, Hants, England. (The Royal Society and King's College.)
Richert, Bernhard E., 2420 Rusk St., Beaumont, Tex.
Richmond, Donald E., Mt. Pleasant, Williamstown, Mass. (Williams College.)
Richtmyer, Robert D., 4818 North 29th St., Arlington, Va. (Bureau of Ships, U. S. Navy.)
Ricker, Norman, The Carter Oil Co., P.O. Box 801, Tulsa, Okla.
Rickmeyer, E. W., 219 Arlington Ave., Elmhurst, Ill.
Rickwood, Gerald E., 346 Waverley St., Ottawa, Canada. (National Research Council of Canada.)
Ridenour, Louis N., Massachusetts Institute of Technology, Cambridge A, Mass. (University of Pennsylvania.)
Rieber, Frank, Frank Rieber, Inc., 11916 West Pico Blvd., Los Angeles, Calif.
Rieke, Foster F., University of Chicago, Chicago, Ill.
***Riesz,** Robert R., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Riffolt, Nils, U. S. Naval Proving Ground, Dahlgren, Va.
Riggs, Philip S., Washburn College, Topeka, Kans.
Rinde, Charles A., 406 West Oak St., Lodi, Calif. (Polytechnic College.)
Rinehart, John S., Fort Hays Kansas State College, Hays, Kans.
Rines, David, 1 Federal St., Boston, Mass.
Rinker, Jacob A., Eureka, Ill. (Eureka College.)
Rinkob, Severn, Box 197, Baraboo, Wis. (Baraboo High School.)
Riordan, Nelson F., 41 Argyle St., Everett, Mass. (Submarine Signal Co.)
Risser, J. R., Purdue University, Lafayette, Ind.
Ritter, E. W., RCA Manufacturing Co., Camden, N.J.
Ritzmann, Otto F., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
Roberds, Wesley M., 603 Highland St., Fayetteville, Ark. (University of Arkansas.)
Roberts, Arthur, 103 Aberdeen Ave., Cambridge, Mass. (Massachusetts Institute of Technology.)
Roberts, Richard B., 2837 Chesapeake St., Washington, D.C. (Department of Terrestrial Magnetism.)
Robertson, A. F., 742 Harrison Ave., Beloit, Wis. (Fairbanks Morse, & Co.)
***Robertson,** Howard P., 175 Prospect St., Princeton, N.J. (Princeton University.)
Robertson, Norman S., 902 Temple Bldg., Toronto, Canada.
Robertson, Randal M., Norton Co., Worcester, Mass.
Robeson, Frank L., Box 57, Blacksburg, Va. (Virginia Polytechnic Institute.)
Robinson, Charles F., 445 South Kingsley Dr., Los Angeles, Calif.
***Robinson,** Howard A., Armstrong Cork Co., Lancaster, Pa.
Robinson, Preston, Box 693, North Adams, Mass. (Sprague Specialties Co.)
Rock, George D., Box 4423, Brookland Station, Washington, D.C. (Catholic University of America.)
Rockwood, George H., Jr., 120 Canoe Brook Pkwy., Summit, N.J. (Bell Telephone Laboratories.)
***Rodebush,** Worth H., University of Illinois, Urbana, Ill.
Rodgers, Eric, Box 1472, University, Ala. (University of Alabama.)
Rodgers, Stanley E., Jr., Blue Ridge College, New Windsor, Md.
Rodine, Milward T., Gustavus Adolphus College, St. Peter, Minn.
Roe, Glenn M., University of Minnesota, Minneapolis, Minn.
***Roebuck,** John R., 2210 Hollister Ave., Madison, Wis. (University of Wisconsin.)
Roehr, Walter W., 1412 North Superior St., Appleton, Wis.
Roeser, William F., National Bureau of Standards, Washington, D.C.
Roess, Louis C., Fishkill, N.Y. (The Texas Co.)
***Rogers,** F. J., 794 Millville, Palo Alto, Calif.
Rohrbaugh, John H., 100 Washington Sq., New York, N.Y. (New York University.)
Rohret, Louis A., St. Ambrose College, Davenport, Iowa.
***Rojansky,** Vladimir, Union College, Schenectady, N.Y.
Rolf, Pauline, Bryn Mawr College, Bryn Mawr, Pa.
Rollefson, Aimar H., Shell Oil Co., Box 2099, Houston, Tex.
Rollefson, Karl E., 1009 Davis St., Evanston, Ill. (The Muter Co.)
Rollefson, Ragnar, University of Wisconsin, Madison, Wis.
***Roller,** Duane, Columbia University, New York, N.Y. (Hunter College.)
Roller, P. E., 1100 Beech Ave., Charleston, W.Va. (Morris Harvey College.)
Rolnick, Harry A., 316 North 22nd St., Philadelphia, Pa. (Trent Engineering Laboratories.)
Romberg, Arnold, University of Texas, Austin, Tex.
Romberg, Frederick, Box 325, Holly, Colo.
Romer, Alfred, 1697 Cambridge St., Cambridge, Mass. (Harvard University.)
Romig, Harry G., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Romig, Walter W., 5619 Drexel Ave., Chicago, Ill. (University of Chicago and Illinois Institute of Technology.)
Rood, Paul, 1615 Cambridge Road, Kalamazoo, Mich. (Western State Teachers College.)
Roop, Harold D., General Electric X-Ray Corp., 658 South Westlake, Los Angeles, Calif.
Roop, Robert W., University of Pennsylvania, Philadelphia, Pa.
Roope, Percy M., Clark University, Worcester, Mass.
Roots, Yale K., Findlay College, Findlay, Ohio.
Rosaire, Esme E., 701 Waugh Dr., Houston, Tex.
Rose, Donald C., National Research Council, Ottawa, Canada.
Rose, Fred C., College of the City of New York, New York, N.Y.
Rose, John E., Tumor Clinic, U. S. Marine Hospital, Baltimore, Md.
***Rose,** John L., New York University, University Hghts., New York, N.Y.
Rose, Morris E., Bartol Research Foundation, Swarthmore, Pa.
Roseberry, H. Hewell, 229 Highland Ave., Athens, Ohio. (Ohio University.)
Rosen, Nathan, Black Mountain College, Black Mountain, N.C.
Rosenberg, Paul, 1200 Fifth Ave., New York, N.Y. (Columbia University.)
***Rosenthal,** Jenny E., 353 Ocean Ave., Brooklyn, N.Y. (Brooklyn College.)
Ross, Frederick W., University of Washington, Seattle, Wash.
Ross, William H., Massachusetts State College, Amherst, Mass.
Rossbacher, H., 752 Fairacres Ave., Westfield, N.J. (Western Electric Co.)

Rosselot, Gerald A., Georgia School of Technology, Atlanta, Ga.
Rossi, Bruno, Cornell University, Ithaca, N.Y.
Rossini, Frederick D., 1772 North Portal Dr., Washington, D.C. (National Bureau of Standards.)
Rostagni, Antonio, University of Padova, Padova, Italy.
Rotenberg, Avrahm B., McGill University, Montreal, Canada.
Roth, Herman M., Oklahoma A. & M. College, Stillwater, Okla.
Rothenstein, Otto, 2928 Washington Blvd., Chicago, Ill.
Rouse, Arthur G., St. Louis University, St. Louis, Mo.
Rouse, Glenn T., 343 Norwood Ave., Long Branch, N.J. (Signal Corps Laboratory.)
Rouse, Theodore A., University of Wisconsin, Milwaukee, Wis.
Rowles, W., Madonald College, Quebec, Canada.
Roy, Angus S., Kodak Ltd., Wealdstone, Middlesex, England.
Roys, Harvey C., University of Oklahoma, Norman, Okla.
Rozycki, Henry J., St. Martin's College, Lacey, Wash.
***Ruark,** Arthur E., University of North Carolina, Chapel Hill, N.C.
Ruark, Grace H., Chapel Hill, N.C.
Rubens, Sidney M., University of California, Los Angeles, Calif.
Rubenstein, Pearl J., 4 Dennison St., Roxbury, Mass. (Radcliffe College.)
***Rudberg,** Erik, Chalmers Tekniska Högskola, Göteborg, Sweden.
Rudnick, Philip, Vanderbilt University, Nashville, Tenn.
Ruedy, John E., RCA Manufacturing Co., Camden, N.J.
Ruedy, Richard, 321 Cloverdale Rd., Ottawa, Canada.
Ruff, H. E., 603 West Georgia Ave., Ruston, La. (Louisiana Polytechnic Institute.)
Ruhlig, Arthur J., 3325 Nichols Ave. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
***Rumbaugh,** Lynn H., University of Minnesota, Minneapolis, Minn.
Rundlett, Thurman L., 671 Mahoning Ave., Warren, Ohio. (Westinghouse Electric & Manufacturing Co.)
***Rusk,** Rogers D., 70 Woodbridge St., South Hadley, Mass. (Mount Holyoke College.)
***Russell,** Henry N., 79 Alexander St., Princeton, N.J. (Princeton University.)
Russell, Howard W., 1950 North Devon Rd., Columbus, Ohio. (Battelle Memorial Institute.)
Rust, William M., Jr., Humble Oil & Refining Co., 257 Humble Bldg., Houston, Tex.
Rusterholz, Alexander A., Gladbachstr. 114, Zürich, Switzerland. (Federal Institute of Technology.)
Ryan, Alden H., U. S. Naval Research Laboratory, Washington, D.C.
Ryder, Robert M., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Ryerson, Clifford M., Duke University, Durham, N.C.

Sabine, George B., Eastman Kodak Co., Rochester, N.Y.
***Sabine,** Paul E., Riverbank Laboratories, Geneva, Ill.
Sachs, Robert G., 817 Newington Ave., Baltimore, Md. (George Washington University.)
Sack, Henri S., 208 Stewart Ave., Ithaca, N.Y. (Cornell University.)
Safford, Francis J., 16 Central St., West Concord, Mass. (Massachusetts Institute of Technology.)
Sagane, Ryokichi, Institute of Physical and Chemical Research, Tokyo, Japan.
Sagui, Cornelio L., 18 Rue Luchet, Avignon, France. (Agriculteur de Provence et du Languedoc.)
St. Helens, Hervey J., 644 Main St. West, Rochester, N.Y. (Eastman Kodak Co.)
Sakata, Shoichi, 91 Okazaki-Enshojicho, Kyoto, Japan.
***Salant,** Edward O., New York University, Washington Sq., New York, N.Y.
Salmons, George B., 564 Riverside Dr., New York, N.Y. (Columbia University.)
Sampson, John B., University of Pennsylvania, Philadelphia, Pa.
Sampson, Milo B., Biochemical Research Foundation, Academy St., Newark, Del.
Samson, Edward W., Hammermill Paper Co., Erie, Pa.
Samuel, Arthur L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Sanders, William H., 1818–37th St. N.W., Washington, D.C. (U. S. Naval Research Laboratory.)
Sanderson, John A., U. S. Naval Research Laboratory, Washington, D.C.
***Sanford,** Fernando, 450 Kingsley Ave., Palo Alto, Calif. (Stanford University.)
Sänger, Raymund, Riedenerstr. 18, Wallisellen, Zürich, Switzerland. (Eidgenössische Technische Hochschule.)
Sard, Robert D., Harvard University, Cambridge, Mass.
Sargeant, Walter E., 474 East Hazelhurst, Ferndale, Mich. (General Motors Corp.)
Sauer, John A., 5114 Beeler St., Pittsburgh, Pa.
***Saunders,** Frederick A., Harvard University, Cambridge, Mass.
Saunderson, Jason L., The Dow Chemical Co., Midland, Mich.
Sawada, Masao, 69 Sanshocho Nishinomiya, Hyogo-ken, Japan.
Sawyer, Charles B., The Brush Laboratories Co., 3714 Chester Ave., Cleveland, Ohio.
Sawyer, James H., P.O. Box 1583, Beaumont, Tex. (Cia de Petroleo Shell de Colombia.)
***Sawyer,** Ralph A., University of Michigan, Ann Arbor, Mich.
Sawyer, Raymond B., Centre College, Danville, Ky.
Saxe, Robert K., 57 Holbrook Ave., South Braintree, Mass. (Massachusetts Television Institute.)
Saxl, Erwin J., Saxl Instrument Co., 42 Weybosset St., Providence, R.I.
Saxton, Harold L., 2001–37th St. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
Sayvetz, Aaron, University of Chicago, Chicago, Ill.
Scanlon, Wayne W., Purdue University, Lafayette, Ind.
Schaffert, Roland, 901 Wayne Ave., Dayton, Ohio.
Schauls, Sister M. Roswitha, College of St. Teresa, Winona, Minn.
Scheib, Richard, Jr., 1167 Clay Ave., New York, N.Y. (Columbia University.)
Schein, Marcel, University of Chicago, Chicago, Ill.
***Schelleng,** John C., Bell Telephone Laboratories, Deal, N.J.
Scherrer, Paul, Rislingstr. 8, Zürich, Switzerland.
***Schiff,** Leonard I., University of Pennsylvania, Philadelphia, Pa.
Schilling, Harold K., 4628 Stockwell St., Lincoln, Nebr. (Union College.)
Schimmel, Herbert, 1727 Vine St., Philadelphia, Pa. (National Research Project.)
Schlenker, Vesper A., Columbia University, New York, N.Y.
***Schlink,** Frederick J., Consumers' Research, Inc., Washington, N.J.
Schmidt, Clarence C., Texas Technological College, Lubbock, Tex.
Schmidt, J. Monroe, Hofstra College, Hempstead, N.Y.
Schmieder, Lawrence R., 325 West 8th St., Cincinnati, Ohio.
Schmitt, Otto H., University of Minnesota, Minneapolis, Minn.
Schnable, George L., 654 St. Marks Ave., Westfield, N.J.
Schneider, Edwin G., Stevens Institute of Technology, Hoboken, N.J.
Schneider, Walter A., 68 Edgars Lane, Hastings-on-Hudson, N.Y. (New York University.)
Schocken, Klaus, Caney Junior College, Pippapass, Ky.
Schoepfle, George K., A. & M. College of Texas, College Station, Tex.
Schön, Michael, Hardenbergstr. 37, Berlin, Germany. (University of Berlin.)
Schreiber, Raemer E., Purdue University, Lafayette, Ind.
Schremp, Edward J., Massachusetts Institute of Technology, Cambridge A, Mass. (Washington University.)
Schrieber, Edwin H., Superior State Teachers College, Superior, Wis.
***Schriever,** William, University of Oklahoma, Norman, Okla.
Schrödinger, Erwin, 26, Kincora Rd., Clontarf, Dublin, Eire. (Royal Irish Society and Dublin Institute for Advanced Studies.)
Schuchard, Earl A., Amarillo College, Amarillo, Tex.
Schultz, Harvey A., 1646 Twentieth St., Cuyahoga Falls, Ohio. (The B. F. Goodrich Co.)
Schultz, Howard L., 2786 Yale Station, New Haven, Conn.
Schwarz, Guenter, The Johns Hopkins University, Baltimore, Md.
Schwarz, Winfred M., Ohio State University, Columbus, Ohio.
Schwarzschild, Myron E., Beth Israel Hospital, Stuyvesant Park East, New York, N.Y.
Schwebel, Solomon, 1355 East 13th St., Brooklyn, N.Y. (New York University.)
Schwede, Harold F., Schlumberger Well Surveying Corp., P.O. Box 92, Shreveport, La.
Schwertz, F. A., 121 Bonvue St., Pittsburgh, Pa. (Carnegie Institute of Technology.)
Schwinger, Julian, 300 Riverside Dr., New York, N.Y.
Scott, Arnold H., National Bureau of Standards, Washington, D.C.
Scott, Elmer J., Ohio State University, Columbus, Ohio.

Scott, Frederic A., Lehigh University, Bethlehem, Pa.
Scott, George W., Jr., Massachusetts Institute of Technology, Cambridge A, Mass.
Scott, Merit, Pennsylvania State College, State College, Pa.
Scott, Robert W., Pennsylvania State College, State College, Pa.
Scott, William T., University of Michigan, Ann Arbor, Mich.
Seaborg, Glenn T., University of California, Berkeley, Calif.
Seaman, Donna J., 4711–12th Ave. N.E., Seattle, Wash. (University of Washington.)
Sears, Francis W., Massachusetts Institute of Technology, Cambridge A, Mass.
Sears, Frederick E., St. Paul's School, Concord, N.H.
Sears, George R., 824 East John, Appleton, Wis. (The Institute of Paper Chemistry.)
Sears, Raymond W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Sears, William C., 359 Trigonia Dr., Akron, Ohio. (The B. F. Goodrich Co.)
***Seeger,** Raymond J., George Washington University, Washington, D.C.
Seemann, Herman E., Eastman Kodak Co., Rochester, N.Y.
Segesman, Francis F., Box 1048, Freer, Tex. (Schlumberger Well Surveying Corp.)
Segrè, Emilio G., University of California, Berkeley, Calif.
Seidl, Frederick G. P., University of Pennsylvania, Philadelphia, Pa.
Seidman, Oscar, 340 La Salle Ave., Hampton, Va. (National Advisory Committee for Aeronautics.)
Seifert, Howard S., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
***Seitz,** Frederick, University of Pennsylvania, Philadelphia, Pa.
Semat, Henry, College of the City of New York, New York, N.Y.
Senger, John F., 1101 Shattuck Ave., Berkeley, Calif. (Standard Oil Co. of California.)
***Serber,** Robert, University of Illinois, Urbana, Ill.
Serin, Bernard, 55 East 10th St., New York, N.Y. (Polytechnic Institute of Brooklyn.)
Service, Jerry H., Michigan College of Mining and Technology, Houghton, Mich.
Severinghaus, Frances O., 106 Morningside Dr., New York, N.Y. (Brooklyn College.)
***Severinghaus,** Willard L., Columbia University, New York, N.Y.
Shackelford, B. E., 743 Mosswood Ave., Orange, N.J. (Radio Corporation of America.)
Shackleton, S. Paul, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Shadduck, Hugh A., 2633 Greenway Rd., Toledo, Ohio. (Owens-Illinois Glass Co.)
Shaffer, Wave H., Ohio State University, Columbus, Ohio.
Shallenberger, Garvin D., Montana State University, Missoula, Mont.
Shambon, Arthur, 232 Ellsworth Ave., New Haven, Conn. (Atlantic Druggists Specialties Co.)
***Shankland,** Robert S., Case School of Applied Science, Cleveland, Ohio.
Shannon, James I., St. Louis University, St. Louis, Mo.
Sharma, R. K., Ewing Christian College, Allahabad, India.
***Sharp,** Clayton H., 294 Fisher Ave., White Plains, N.Y.
Sharp, D. Gordon, Duke Hospital, Durham, N.C.
Sharp, Donald E., 46 Middlefield Dr., West Hartford, Conn. (Hartford-Empire Co.)
Sharpe, Joseph A., Stanolind Oil & Gas Co., Box 591, Tulsa, Okla.
***Shaw,** A. Norman, McGill University, Montreal, Canada.
Shaw, Albert E., University of Chicago, Chicago, Ill.
Shaw, Charles H., The Johns Hopkins University, Baltimore, Md.
Shaw, George R., RCA Manufacturing Co., Harrison, N.J.
Shaw, R. William, Cornell University, Ithaca, N.Y.
Shaw, Thomas M., Western Regional Research Laboratory, 800 Buchanan St., Albany, Calif.
Shawan, E. Neil, University of Minnesota, Minneapolis, Minn.
Shea, John D., 3254 Cambridge Ave., New York, N.Y. (College of the City of New York.)
Shear, Nathaniel, 2632–6th St. N.E., Washington, D.C.
Shear, Sidney K., 175 Thompson Ave., New Concord, Ohio. (Muskingum College.)
Shearin, Paul E., University of North Carolina, Chapel Hill, N.C.
Sheldon, H. H., 379 Scarsdale Rd., Tuckahoe, N.Y. (New York University.)
Sheng, Hsi-yin, 6, Passage No. 34, Route Vallon, Shanghi, China. (National China University.)
***Shenstone,** Allen G., Princeton University, Princeton, N.J.
Shepherd, William G., 29–07 Bell Blvd., Bayside, N.Y. (Bell Telephone Laboratories.)
Sheppard, Charles W., South Dakota State College of Mines, Rapid City, S.Dak.
Sherr, Rubby, Harvard University, Cambridge, Mass.
Sherwin, Chalmers W., University of Chicago, Chicago, Ill.
Shesterkin, Alex, United States Rubber Co., 6600 East Jefferson, Detroit, Mich.
Shewhart, Walter A., 158 Lake Dr., Mountain Lakes, N.J. (Bell Telephone Laboratories.)
Shimizu, Takeo, Institute of Physical and Chemical Research, Tokyo, Japan.
Shinohara, Kenichi, Kyushu Imperial University, Hukuoka, Japan.
Shinomiya, Toyoji, Furitsu-Ko'o Gakko Fusumamachi, Meguroku, Tokyo, Japan.
Shipman, Waldo A., 1465 Belmont Ave., Columbus, Ohio. (Columbia Engineering Corp.)
Shirai, Shunji, Dai-Ni Koto Gakko, Sendai, Japan.
Shive, John N., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Shobert, Erle I., II, South Michael Rd., St. Marys, Pa. (Stackpole Carbon Co.)
***Shockley,** William, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Shollenberger, Forest, Mount Union College, Alliance, Ohio.
Shonka, Francis R., 1633 South Austin Blvd., Cicero, Ill. (DePaul University.)
Shonka, Joseph J., St. Procopius College, Lisle, Ill.
Shore, Henry, Radio Corporation of America, 30 Rockefeller Plaza, New York, N.Y.
***Shortley,** George H., Ohio State University, Columbus, Ohio.
Shoupp, William E., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Shrader, Erwin F., Case School of Applied Science, Cleveland, Ohio.
***Shrader,** James E., Drexel Institute of Technology, Philadelphia, Pa.
Shrader, Ross E., 122 Young Ave., Cedar Grove, N.J. (RCA Manufacturing Co.)
***Shrum,** Gordon M., University of British Columbia, Vancouver, Canada.
Shue, George L., Montana School of Mines, Butte, Mont.
Shugart, Thomas R., Geotechnical Corp., 1702 Tower Petroleum Bldg., Dallas Tex.
Shull, Clifford G., New York University, University Hghts., New York, N.Y.
Shurcliff, William A., 831 Madison Ave., Plainfield, N.J. (American Cyanamid Co.)
Shutt, Ralph P., Bartol Research Foundation, Swarthmore, Pa.
Sidhu, Surain S., University of Pittsburgh, Pittsburgh, Pa.
***Sieg,** L. P., University of Washington, Seattle, Wash.
Siegbahn, Manne, Stockholm, Sweden. (Academy of Sciences.)
Siegel, Sidney L., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Siegert, Arnold J. F., The Texas Co., Houston, Tex.
Siegmund, H. O., 18 Harvard Ter., West Orange, N.J.
***Sillcox,** Lewis K., New York Air Brake Co., Starbuck Ave., Watertown, N.Y.
***Silsbee,** Francis B., National Bureau of Standards, Washington, D.C.
Silver, Samuel, Ohio State University, Columbus, Ohio.
***Silverman,** Shirleigh, E. I. duPont deNemours & Co., Buffalo, N.Y.
Silvey, Oscar W., College Station, Tex. (A. & M. College of Texas.)
Simmons, Samuel J., University of Pittsburgh, Pittsburgh, Pa.
***Simon,** Franz, 10, Belbroughton Rd., Oxford, England. (Oxford University.)
Simon, Ralph, Yale University, New Haven, Conn.
Simpson, F. M., 21 South 4th St., Lewisburg, Pa. (Bucknell University.)

Simpson, John A., Jr., New York University, University Hghts., New York, N.Y.
Sinclair, David, Columbia University, New York, N.Y.
Singer, George, National Bureau of Standards, Washington, D.C.
Sinma, Keizo, 146 Santiome, Tundhagu, Tokyo, Japan. (Institute of Physical and Chemical Research.)
Sitney, Massey, 1608 Oxford St., Berkeley, Calif. (Mare Island Navy Yard.)
Sivian, L. J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Sixtus,** Klaus J., AEG Forschungs Laboratorium, Berlin, Germany.
Sizoo, G. J., Matuurkundig Laboratorium der Virje Universiteit, Amsterdam, Holland.
Skaggs, Lester S., University of Chicago, Chicago, Ill.
Skarstrom, Charles, Columbia University, New York, N.Y.
Skellett, Albert M., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Skinker, Murray F., Consolidated Edison Co., 55 Johnson St., Brooklyn, N.Y.
***Skinner,** Charles E., 215 Elmore Rd., Wilkinsburg, Pa.
Skinner, Charles H., 1948 West Keefe Ave., Milwaukee, Wis. (Marquette University.)
***Skinner,** Clarence A., National Bureau of Standards, Washington D.C.
Skinner, Eugene W., Northwestern University Dental School, Chicago, Ill.
Skinner, Selby M., University of Chicago, Chicago, Ill.
Sklar, Alfred L., Catholic University of America, Washington, D.C.
Skramstad, Harold K., National Bureau of Standards, Washington, D.C.
Slack, Charles M., Westinghouse Electric & Manufacturing Co., Bloomfield, N.J.
***Slack,** Francis G., Vanderbilt University, Nashville, Tenn.
***Slater,** John C., Massachusetts Institute of Technology, Cambridge A, Mass.
Slawsky, Milton M., 3623–15th Ave., Brooklyn, N.Y.
Slawsky, Zaka I., 3623–15th Ave., Brooklyn, N.Y. (Brooklyn College.)
Slayter, Games, Owens-Illinois Fiberglas Co., Newark, Ohio.
***Sleator,** William W., University of Michigan, Ann Arbor, Mich.
***Slepian,** Joseph J., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
***Slichter,** Louis B., 24 Gray Gardens West, Cambridge, Mass. (Massachusetts Institute of Technology.)
Slotin, Louis, University of Chicago, Chicago, Ill.
Smith, Albert E., 1737–A Virginia St., Berkeley, Calif. (Shell Development Co.)
***Smith,** Alpheus W., Ohio State University, Columbus, Ohio.
Smith, Alva W., Ohio State University, Columbus, Ohio.
Smith, Arthur B., 2324 Hartzell St., Evanston, Ill. (Associated Electric Laboratories, Inc.)
***Smith,** Arthur W., 1008 Oakland Ave., Ann Arbor, Mich. (University of Michigan.)
Smith, Charles G., 75 Terrace Rd., Medford, Mass. (Raytheon Manufacturing Co.)
Smith, Charles S., Jr., University of Pittsburgh, Pittsburgh, Pa.
Smith, Clarence R., Aurora College, Aurora, Ill.
Smith, Durnford, 338 Metcalfe Ave., Westmount, Quebec, Canada.
Smith, Dwight O., Judson College, Rangoon, Burma.
Smith, E. Howard, 3006 Carrolton St., Houston, Tex. (Petroleum Rectifying Co. of California.)
Smith, Elmer G., Agricultural & Mechanical College of Texas, College Station, Tex.
Smith, F. Raymond, 438 East Foster Ave., State College, Pa. (Pennsylvania State College.)
Smith, Gail P., University of Michigan, Ann Arbor, Mich.
Smith, George A., Busser & Harding, 2000 Girard Trust Co. Bldg., Philadelphia, Pa.
Smith, H. Hunter, University of Maryland, College Park, Md.
***Smith,** Harrison W., Tahiti, Society Islands.
Smith, Herschel, Frankford Arsenal, Philadelphia, Pa.
Smith, Jack C., 923 Genesee Rd., Akron, Ohio.
Smith, James J., P.O. Box 476, Schenectady, N.Y. (General Electric Co.)
Smith, John F., 24 East Main St., Canton, N.Y. (St. Lawrence University.)
Smith, Leon E., Granville, Ohio. (Denison University.)
Smith, Letha Ann, Miss Hall's School, Pittsfield, Mass.
Smith, Lincoln G., Princeton University, Princeton, N.J.
***Smith,** Lloyd P., Cornell University, Ithaca, N.Y.
Smith, Louis E., Jr., University of Washington, Seattle, Wash.
Smith, Maurice R., Sir George Williams College, Montreal, Canada.
Smith, Newell H., Polytechnic Institute, San German, Puerto Rico.
***Smith,** Newland F., The Citadel, Charleston, S.C.
Smith, Nicholas M., Jr., Department of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
Smith, Noyes D., Shell O ilCo., Inc., P.O. Box 1191. Tulsa, Okla.
Smith, Orrin H., 310 Greenwood Ave., Greencastle, Ind. (DePauw University.)
Smith, Paul L., 104 Northbrook Lane, Bethesda, Md. (National Bureau of Standards.)
Smith, Philip T., R.F.D. No. 1, Scotch Plains, N.J. (RCA Manufacturing Co.)
Smith, Robert W., 719 East Wellington St., Flint, Mich. (General Motors Corp.)
Smith, Ronald N., Purdue University, Layfayette, Ind.
Smith, Russell P., 326 State St., Grove City, Pa. (Grove City College.)
***Smith,** T. Townsend, University of Nebraska, Lincoln, Nebr.
Smoluchowski, Roman, Princeton University, Princeton, N.J.
***Smyth,** Charles P., Princeton University, Princeton, N.J.
Smyth, Harold T., Corhart Refractories Co., Louisville, Ky.
***Smyth,** Henry D., Princeton University, Princeton, N.J.
***Smythe,** William R., California Institute of Technology, Pasadena, Calif.
Snavely, Benjamin L., Lehigh University, Bethlehem, Pa.
Snell, Arthur H., University of Chicago, Chicago, Ill.
***Snoddy,** Leland B., Box 1064, University Station, Charlottesville, Va. (University of Virginia)
***Snook,** H. Clyde, 45 Woodland Ave., Summit, N.J.
***Snow,** Chester, National Bureau of Standards, Washington, D.C.
Snyder, Richard L., 103 Franklin Rd., Glassboro, N.J. (RCA Manufacturing Co.)
Snyder, Rufus H., University of Georgia, Athens, Ga.
Snyder, Thomas M., Princeton University, Princeton, N.J.
***So,** Masamichi, 4–1148, Omori, Araishiku, Tokyo, Japan. (Electronics Engineering Laboratory.)
Sogawa, Akira, Aichi Tokei Denki K. K., Nagoya, Japan.
Soller, Theodore, 20 Kendrick Pl., Amherst, Mass. (Amherst College.)
Soller, Walter, 650 Riddle Rd., Cincinnati, Ohio. (University of Cincinnati.)
Solomon, Arthur K., 13 Remington St., Cambridge, Mass. (Harvard University.)
Solt, Irvin H., Northampton, Pa.
Soltau, David L., Westmount College, Los Angeles, Calif.
Sommerman, George M. L., Electrical Cable Works, American Steel & Wire Co., Worcester, Mass.
Sommers, Henry S., Jr., Harvard University, Cambridge, Mass.
Sonkin, Simon, College of the City of New York, New York, N.Y.
Sordahl, Louis O., 8043 Ellis Ave., Chicago, Ill. (United States Steel Corp.)
***Sosman,** Robert B., United States Steel Corp., Kearny, N.J.
***Southall,** James P. C., Edgewood Lane, University, Charlottesville, Va. (Columbia University.)
Southworth, G. C., Bell Telephone Laboratories, Box 107, Red Bank, N.J.
Sowers, Nelson E., Bell Telephone Laboratories, Deal, N.J.
Spangler, Ross D., State Teachers College, Lacrosse, Wis.
***Sparrow,** Carroll M., University Station, Charlottesville, Va. (University of Virginia)
Speas, William E., Wake Forest College, Wake Forest, N.C.
Spees, Adam H., 706 Pearson Ave., Ferndale, Mich. (Detroit Institute of Technology)
Speh, Karl C., 169 Wall St., Corning, N.Y. (Corning Glass Works)
***Spence,** Bartholomew J., Northwestern University, Evanston, Ill.
Spencer, Charles D., General Electric Co. 1133 East 152nd St., Cleveland, Ohio.

Spencer, Raymond G., 601 Burr Oak St., Albion, Mich. (Albion College)
Spencer, Roy C., University of Nebraska, Lincoln, Nebr.
Spencer, Sam R., Baylor University, Waco, Tex.
Sperti, George S., Institutum Divi Thomae, Cincinnati, Ohio.
Spike, J. Edward, Jr., 20 Kingston Rd., Newton Highlands, Mass. (Lever Bros. Co.)
***Spinney,** Louis B., Iowa State College, Ames, Iowa.
Spitzer, Lyman Jr., Yale University, New Haven, Conn.
***Sponer,** Hertha, Duke University, Durham, N.C.
***Spooner,** Thomas, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Spremulli, Paul, Pennsylvania State College, State College, Pa.
Sprengel, H. J., Continental X-Ray Corp., 1933 South Halstead St., Chicago, Ill.
Sproule, Donald O., Henry Hughes & Son Ltd., New North Rd., Barkingside, Essex, England.
Sproull, Robert L., Cornell University, Ithaca, N.Y.
Sproull, Wayne T., General Motors Corp., Detroit, Mich.
Squire, Charles F., Massachusetts Institute of Technology, Cambridge A, Mass.
Stabler, Howard P., Williams College, Williamstown, Mass.
Stacy, Leland J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Stallmann, Frederick W., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Stambaugh, Richard B., 56 Oakdale Ave., Akron, Ohio. (The Goodyear Tire & Rubber Co.)
***Stang,** Ambrose H., National Bureau of Standards, Washington, D.C.
Stanwick, Charles A., 131 Rynda Rd., South Orange, N.J.
Starr, Chauncey, Massachusetts Institute of Technology, Cambridge A, Mass.
Starr, Merle A., University of Oregon, Eugene, Ore.
States, M. N., Central Scientific Co., 1700 Irving Park Blvd., Chicago, Ill.
Statham, Louis, Humble Oil & Refining Co., 252–C Humble Bldg., Houston, Tex.
Staub, Hans, Stanford University, Stanford University, Calif.
Stauffacher, Arthur L., University Terrace, Charlottesville, Va. (University of Virginia.)
Stauffer, Lynn H., University of Idaho, Moscow, Idaho.
Stauss, Henry E., Baker & Co., 113 Astor St., Newark, N.J.
Steadman, Luville T., University of Rochester School of Medicine, Rochester, N.Y.
Stearns, Joyce C., 2153 South St. Paul, Denver, Colo. (University of Denver.)
Stebbins, Dean W., Texas Agricultural and Mechanical College, College Station, Tex.
***Stebbins,** Joel, Washburn Observatory, Madison, Wis.
Steele, Frederick A., C. K. Williams & Co., Easton, Pa.
Steele, Paul J., State Teachers College, Mansfield, Pa.
Steffens, Carsten C., General Printing Ink Corp., 100 Sixth Ave., New York, N.Y.
Stehle, Philip M., University of Michigan, Ann Arbor, Mich.
Stehn, John R., Western Cartridge Co., East Alton, Ill.
Stein, I. Melville, 3128 West Coulter St., Philadelphia, Pa. (Leeds & Northrup Co.)
***Steinberg,** John C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Steinberger, Raymond L., 1200 Janneys Lane, Alexandria, Va. (Bureau of Ships, U. S. Navy.)
Steinmetz, Francis J., St. Anselm's College, Manchester, N.H.
Stempel, Waldemar M., Stevens Institute of Technology, Hoboken, N.J.
***Stenström,** Wilhelm, 1517 East River Rd., Minneapolis, Minn. (University of Minnesota Hospital.)
Stephens, William E., Stanford University, Stanford University, Calif.
Stephenson, Bird R., Edward J. Meyer Memorial Hospital, Buffalo, N.Y.
Stephenson, Edward B., U. S. Naval Research Laboratory, Washington, D.C.
Stephenson, Reginald J., University of Chicago, Chicago, Ill.
Stephenson, Seymour T., Box 314, Pullman, Wash. (State College of Washington.)
Stern, Alexander W., 272 Beaumont St., Brooklyn, N.Y. (Bureau of Highway Design.)
***Stern,** Otto, Carnegie Institute of Technology, Pittsburgh, Pa.
***Sterne,** Theodore E., Harvard College Observatory, Cambridge, Mass.
Sterner, John, Baird Associates, 20 Palmer St., Cambridge, Mass.
Stetson, Harlan T., Suburban Laboratory, 31 Bird St., Needham, Mass.
Steve, William F., University of Wisconsin, Madison, Wis.
Stevens, Daniel S., 6200 South Kenwood Ave., Chicago, Ill. (University of Chicago.)
***Stevenson,** Arthur F. C., University of Toronto, Toronto, Canada.
***Stevenson,** Edward C., Harvard University, Cambridge, Mass.
Steward, Wendell B., P.O. Box 2175, Houston, Tex. (Schlumberger Well Surveying Corp.)
***Stewart,** G. W., State University of Iowa, Iowa City, Iowa.
***Stewart,** John Q., 14 Prospect Ave., Princeton, N.J. (Princeton University.)
***Stewart,** Oscar M., 211 Westmount Ave., Columbia, Mo. (University of Missouri.)
Stewart, R. Meldrum, Dominion Observatory, Ottawa, Canada.
Stier, Louis G., University of Minnesota, Minneapolis, Minn.
***Stifler,** William W., 395 South Pleasant St., Amherst, Mass. (Amherst College.)
***Stimson,** Harold F., National Bureau of Standards, Washington, D.C.
Stinchcomb, George A., 469 East Perry St., Tiffin, Ohio. (Heidelberg College.)
***Stockbarger,** Donald C., Massachusetts Institute of Technology, Cambridge A, Mass.
Stone, Albert M., U. S. Naval Torpedo Station, Newport, R.I.
Stone, Carrington H., Carrington H. Stone, Engineers, 205 West Wacker Dr., Chicago, Ill.
Stone, Clarence G., Columbia University, New York, N Y.
Stone, G. A., 166 North Landing Rd., Rochester, N.Y. (Taylor Instrument Cos.)
Stoner, Donald W., U. S. Naval Proving Ground, Dahlgren, Va.
Stout, Harold L., University of Wisconsin, Madison, Wis.
Strachan, Charles, 19, Lancaster Ave., Liverpool, England. (University of Liverpool.)
Strain, Charles V., Union College, Schenectady, N.Y.
Strait, Louis A., University of California College of Pharmacy, San Francisco, Calif.
***Stranathan,** James D., University of Kansas, Lawrence, Kans.
***Stratton,** Julius A., Massachusetts Institute of Technology, Cambridge A, Mass.
***Street,** Jabez C., Harvard University, Cambridge, Mass.
Street, John N., The Firestone Tire & Rubber Co., Akron, Ohio.
Street, Robert E., Rensselear Polytechnic Institute, Troy, N.Y.
Strohmeyer, Lawrence J., New York University, University Hghts., New York, N.Y.
Strong, Herbert M., Bauer & Black, 2500 South Dearborn St., Chicago, Ill.
***Strong,** John D., California Institute of Technology, Pasadena, Calif.
***Strong,** William W., Scientific Instrument & Electrical Machine Co., 500 South York St., Mechanicsburg, Pa.
***Stücklen,** Hildegard, Mount Holyoke College, South Hadley, Mass.
Stucky, Joseph B., Jr., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Studer, Frank J., Union College, Schenectady, N.Y.
***Stueckelberg,** Ernest C. G., 98 Route Florissant, Geneva, Switzerland. (University of Geneva.)
***Stuhlman,** Otto, Jr., Box 989, Chapel Hill, N.C. (University of North Carolina.)
Sturdivant, J. Holmes, California Institute of Technology, Pasadena, Calif.
Stutz, George F. A., Jr., 422 Edgemont Ave., Palmerton, Pa. (The New Jersey Zinc Co.)
Sugden, Samuel, University College, London, England.
Sugeno, Takesi, Sumitomo Metal Industries Steel Works 249, Osaka, Japan.
Sugimoto, Asao, 229 Ikejirimachi, Setagayaku, Tokyo, Japan. (Institute of Physical and Chemical Research.)
Sugita, Motoyosi, Naval Engineering College, Kyoto, Japan.

*Sugiura, Yoshikatsu, Institute of Physical and Chemical Research, Tokyo, Japan.
*Suits, Chauncey G., General Electric Co., Schenectady, N.Y.
Sullivan, Francis J., St. Bonaventure College, St. Bonaventure, N.Y.
Sullivan, Harris M., Rensselaer Polytechnic Institute, Troy, N.Y.
Sullivan, Sister Helen, Mount St. Scholastica College, Atchison, Kans.
Sullivan, Roy R., University of Tennessee, Knoxville, Tenn.
Summerfield, Martin, California Institute of Technology, Pasadena, Calif.
Summers, R. D., 121 Robbins Ave., Fox Chase, Philadelphia, Pa. (University of Pennsylvania.)
Sundarachar, C. K., Central College, Bangalore, India.
Sussholz, Benjamin, 1320 Fairmont St. N.W., Washington, D.C. (George Washington University.)
Sutherland, Gordon B. B. M., Pembroke College, Cambridge, England.
Sutherlin, Lee, 82 Garden Rd., Red Bank, N.J. (Westinghouse Electric & Manufacturing Co.)
Sutton, Richard M., Haverford College, Haverford, Pa.
Suzuki, Hisao, 439 Ichinokura, Omori, Tokyo, Japan.
Swaim, Verne F., Bradley Polytechnic Institute, Peoria, Ill.
*Swann, William F. G., Bartol Research Foundation, Swarthmore, Pa.
Swanson, Daniel C., University of Florida, Gainesville, Fla.
Swartz, Charles A., R.D. No. 1, Verona, Pa. (Gulf Research & Development Co.)
Sweeny, Raymond L., 539 St. Clements Ave., Toronto, Canada. (Ferranti Electric Ltd.)
Sweer, John, Ordnance Laboratory, U. S. Navy, Washington, D.C.
Swenson, Hugo N., Queens College, Flushing, N.Y.
Swift, Irvin H., Jr., State University of Iowa, Iowa City, Iowa.
Swindler, James A., 227 North Market St., New Wilmington, Pa. (Westminster College.)
Sykes, Roger A., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Syrdal, Richard R., Waldorf College, Forest City, Iowa.
Szilard, Leo, 420 West 116th St., New York, N.Y.

Tachihara, Yoshihiko, Mitsubishi Denki Co., Kobe, Japan.
Taft, Robert B., 103 Rutledge Ave., Charleston, S.C.
Tajima, Eizo, Institute of Physical and Chemical Research, Tokyo, Japan.
Tajime, Ryozo, 227 Shinobara-Machi, Kanagawa-Ku, Yokohama, Japan. (Tokyo Electric Co.)
Takeda, Eiiti, Osaka Imperial University, Osaka, Japan.
Taketani, Mitsuo, Osaka Imperial University, Osaka, Japan.
Takizawa, Susumu, Tokyo-Musen-Denki K. K., Tokyo, Japan.
Talbott, F. Leo, Box 4464, Brookland Station, Washington, D.C. (Catholic University of America.)
Talmey, Paul, Wood St., Southville, Mass.
Tamaki, Hidehiko, Institute of Physical and Chemical Research, Tokyo, Japan.
Tamura, Matsuhei, 9-Banchi, Matsugasaki-Morigamotocho, Sakyo-Ku, Kyoto, Japan.
Tamura, Tikawa, Kyusyu Imperial University, Hukuoka, Japan.
Tanaka, Masamachi, Tokyo Shibaura Denki K. K. Kawasaki, Kanagawaken, Japan.
*Tanaka, Tutomu, Tokyo Imperial University, Tokyo, Japan.
Tanch, Joseph W., 3 North Balch St., Hanover, N.H. (Dartmouth College)
Tanis, Hubert E., Jr., General Electric Co., Schenectady, N.Y.
Tape, Gerald F., Cornell University, Ithaca, N.Y.
Tapley, Georgia A., 181 Maple St., Brooklyn, N.Y. (Brooklyn College)
Tappert, John G., 1209 Allengrove St., Philadelphia, Pa. (Frankford Arsenal)
Tarris, Demetrius, 19 Midland St., Simpson, Pa. (Fell Township High School)
Taschek, Richard, University of Wisconsin, Madison, Wis.
Tasiro, Yosiro, Kaigun-Daigakuko, Kamiosaki-Tyozamaru, Sinagawa-ku, Tokyo, Japan.
Tate, George E., 9747 Shore Rd., Brooklyn N.Y. (Foster Wheeler Corp.)
*Tate, John T., University of Minnesota, Minneapolis, Minn.
Tatel, Howard, University of Michigan, Ann Arbor, Mich.
Tatum, Gordon R., Baylor University, Waco, Tex.
Taub, A. H., Institute for Advanced Study, Princeton, N.J.
Tawney, Gereld L., Sperry Gyroscope Co., Inc., Manhattan Bridge Plaza, Brooklyn, N.Y.
Taylerson, Ewart S., 733 Gallion Ave., Pittsburgh, Pa. (Carnegie-Illinois Steel Corp.)
*Taylor, A. Hoyt, U. S. Naval Research Laboratory, Washington, D.C.
Taylor, A. Maurice, St. Andrews University, St. Andrews, Scotland.
Taylor, E. Gordon, College of the City of New York, New York, N.Y.
Taylor, Hawley O., Wheaton College, Wheaton, Ill.
*Taylor, Hugh S., Princeton University, Princeton, N.J.
Taylor, John B., 2009 Nott St., Schenectady, N.Y. (General Electric Co.)
Taylor, Josiah, General Geophysical Co., 2513 Gulf Bldg., Houston, Tex.
*Taylor, Lauriston S., 4923 Battery Lane, Bethesda, Md. (National Bureau of Standards.)
Taylor, Lloyd W., Oberlin College, Oberlin, Ohio.
Taylor, Lucien B., Farm St., Dover, Mass. (Boston University.)
Taylor, Paul K., Ashland College, Ashland, Ohio.
*Taylor, T. Smith, 45 Grover Lane, Caldwell, N.J. (Newark College of Engineering.)
Taylor, William P., 716 Gray Ave., Hamilton, Ohio.
*Tear, James D., Ford Instrument Co., Rawson St. & Nelson Ave. Long Island City, N.Y.
Tekippe, Owen L., St. John's University, Collegeville, Minn.
*Teller, Edward, George Washington University, Washington, D.C.
Tempelaar-Lietz, Shell Oil Co., 1008 West 6th St., Los Angeles, Calif.
Ter Horst, Th. J., 4 Van Goghstraat, Arnhem, Holland.
Terry, Melvin C., Humble Oil & Refining Co., Houston, Tex.
Thatcher, Everett W., Union College, Schenectady, N.Y.
Thaxton, Hubert M., Box 1074, Greensboro, N.C. (Agricultural and Technical College of North Carolina.)
Therese, Sister Mary, Mundelein College, Chicago, Ill.
Thiessen, George J., Columbia University, New York, N.Y.
Thirring, Hans, Strudlhofgasse 13, Wien, Germany. (University of Wien)
Thomas, C. Delmar, Missouri School of Mines and Metallurgy, Rolla, Mo.
Thomas, Charles D., West Virginia University, Morgantown, W.Va.
Thomas, D. Boyd, Newport News Shipbuilding & Dry Dock Co., Newport News, Va.
Thomas, J. Earl, California Institute of Technology, Pasadena, Calif.
*Thomas, Llewellyn H., Ohio State University, Columbus, Ohio.
Thomassen, Lars, University of Michigan, Ann Arbor, Mich.
Thompson, Browder J., RCA Manufacturing Co., Harrison, N.J.
Thompson, Charles G., 587 Arlington Ave., Berkeley, Calif. (A-to-Zed School.)
Thompson, Charles S., 1640 Ocean Ave., Brooklyn, N.Y. (Western Union Telegraph Co.)
Thompson, Harry C., Box 304, Ludlow, Vt.
Thompson, James E., 183 Steuben St., Brooklyn, N.Y. (Pratt Institute.)
Thompson, James S., Illinois Institute of Technology, Chicago, Ill.
*Thompson, Joseph O., 209 Lincoln Ave., Amherst, Mass. (Amherst College.)
Thompson, Julian L., Emmanuel Missionary College, Berrien Springs, Mich.
*Thompson, Louis, U. S. Naval Proving Ground, Dahlgren, Va.
Thompson, Robert W., University of Minnesota, Minneapolis, Minn.
Thomson, Kenneth B., National Smelting Co., 6700 Grant Ave., Cleveland, Ohio.
Thornburg, Vincent E., 860 Main St., East Hartford, Conn.
Thorndike, Edward M., P.O. Box 96, Montrose, N.Y. (Queens College.)
Thornton, James K., 2629 St. Paul, Baltimore, Md. (The Johns Hopkins University.)
*Thornton, R. L., Washington University, St. Louis, Mo.
Thovert, Jean-François, University of Lyon, Lyon, France.
Tiedeman, John A., University of North Carolina Woman's College, Greensboro, N.C.
Tileston, Roland R., 1129 Dartmouth Ave., Claremont, Calif. (Pomona College.)

Tillotson, E. Ward, Mellon Institute of Industrial Research, Pittsburgh, Pa.
***Tillyer,** Edgar D., American Optical Co., Southbridge, Mass.
Timoshenko, Gregory S., University of Connecticut, Storrs, Conn.
Tindal, Charles H., 435 East Norwich Ave., Colubmus, Ohio. (Ohio State University.)
Tisdale, Wilbur E., 1900 East 1st Street, Tucson, Ariz.
Titone, Luke V., 1853 West 9th St., Brooklyn, N.Y. (Washington Square College.)
Tobin, John A., Boston College, Chestnut Hill, Mass.
Todani, Shozo, Keijo Kozan Semmon Gakko, Keijo, Japan.
Todd, F. C., Pennsylvania State College, State College, Pa.
Toepfer, Adolph H., 1315 Marlboro Ave., Wilkinsburg, Pa. (Westinghouse Electric & Manufacturing Co.)
Toh, S. R., Shoto High School Kaizyo-ku, Korea.
***Tolman,** Richard C., California Institute of Technology, Pasadena, Calif.
Tomboulian, Diran H., Cornell University, Ithaca, N.Y.
Tomonaga, Sin-itiro, Institute of Physical and Chemical Research, Tokyo, Japan.
***Tonks,** Lewi, R.F.D. 7, Schenectady, N.Y. (General Electric Co.)
***Tool,** Arthur Q., National Bureau of Standards, Washington, D.C.
Torrey, Henry C., Pennsylvania State College, State College, Pa.
Tousey, Richard, 7 Atkins Pl., Medford, Mass. (Tufts College.)
Townes, Charles H., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Townes, Charles H., 111 South Allen St., State College, Pa. (Pennsylvania State College.)
Townes, William D., Route 7, Box 65, South Richmond, Va.
Townsend, Agnes, 400 West 118th St., New York, N.Y. (Barnard College.)
Toyo, Ryohei, National Denkyu Kaisha, Osaka, Japan.
Tozier, Robert E., National Adivsory Committee for Aeronautics, Langley Field, Va.
Trawick, M. Whitford, 206 South 36th St., Philadelphia, Pa. (U. S. Naval Aircraft Factory.)
Treleaven, Clifford L., Columbia University, New York, N.Y.
Trilling, Charles, Industrial Department, U. S. Navy, Mare Island, Calif.
Trimble, Clinton E., 2903 Dalton Ave., Los Angeles, Calif. (Los Angeles City College.)
Trimble, Frank H., 1512 South Halliburton St., Kirksville, Mo. (Northeast Missouri State Teachers College.)
Trimmer, John D., Massachusetts Institute of Technology, Cambridge A, Mass.
Tripp, William A., Box 1153, Ancon, Panama Canal Zone. (The Panama Canal.)
Trischka, John W., Cornell University, Ithaca, N.Y.
Trotter, Herbert, Jr., Washington and Lee University, Lexington, Va.
Trout, E. Dale, General Electric X-Ray Corp., 2012 Jackson Blvd., Chicago, Ill.
Trueblood, Howard M., Bell Telephone Laboratories, 463 West St., New York, N.Y.
***Trump,** John G., Massachusetts Institute of Technology, Cambridge A, Mass.
Trytten, Merriam H., 522 Third Ave., Johnstown, Pa. (University of Pittsburgh.)
Tschudi, Erwin W., 266 Steilen Ave., Ridgewood, N.J.
Tsubota, Hiroshi, Niigata Koto Gakko, Niigata, Japan.
Tu, Yuching, University of Shanghai, Shanghai, China.
Tuck, James L., Clarendon Laboratory, Oxford, England.
Tucker, Forrest G., Oberlin College, Oberlin, Ohio.
***Tuckerman,** L. B., Cosmos Club, Washington, D.C. (National Bureau of Standards.)
***Tugman,** Orin, 274 South 12th East St., Salt Lake City, Utah. (University of Utah.)
Turin, John J., Surface Combustion Co., 2375 Dorr St., Toledo, Ohio.
Turkevich, Anthony, University of Chicago, Chicago, Ill.
Turnbull, John C., Preston Laboratories, Box 847, Butler, Pa.
Turner, A. Francis, 120 Warrington Dr., Rochester, N.Y. (Bausch & Lomb Optical Co.)
***Turner,** Alva, 501 West 113th St., New York, N.Y. (Hunter College.)
***Turner,** Louis A., Princeton University, Princeton, N.J.
Tuttle, William N., General Radio Co., 30 State St., Cambridge, Mass.
***Tuve,** Merle A., Department of Terrestrial Magnetism, 5241 Broad Branch Rd. N.W., Washington, D.C.
***Tykociner,** J. T., University of Illinois, Urbana, Ill.
Tynan, John W., St. Joseph's College, Philadelphia, Pa.
***Tyndall,** Edward P. T., State University of Iowa, Iowa City, Iowa.
Tyrrell, Warren A., Bell Telephone Laboratories, Box 107, Red Bank, N.J.

Uber, Fred M., University of Missouri, Columbia, Mo.
Uehling, Edwin, A., University of Washington, Seattle, Wash.
Ueno, Sigeo, Hamamatu Technical College, Hamamatu, Japan.
Ufford, Charles W., Allegheny College, Meadville, Pa.
***Uhlenbeck,** George E., University of Michigan, Ann Arbor, Mich.
***Uhler,** Horace S., Yale University, New Haven, Conn.
Uleman, Turrell, Mellon Institute of Industrial Research, Pittsburgh, Pa.
Ulrey, Clayton T., North Manchester, Ind.
Ulrey, Dayton L., RCA Manufacturing Co., Harrison, N.J.
Underwood, Newton, Vanderbilt University, Nashville, Tenn.
Unnewehr, Emory, C., 109 Seminary St., Berea, Ohio. (Baldwin-Wallace College.)
***Urey,** Harold C., Columbia University, New York, N.Y.
***Utterback,** Clinton L., University of Washington, Seattle, Wash.
Uyeda, Ryosi, 9 Momozono-chyo, Nakano-ku, Tokyo, Japan.

Vagtborg, Harold, Armour Research Foundation, Chicago, Ill.
***Valasek,** Joseph, University of Minnesota, Minneapolis, Minn.
Valente, Frank A., 4616-43rd Ave., Long Island City, N.Y. (Socony-Vacuum Oil Co., Inc.,)
***Vallarta,** Manuel S., Massachusetts Institute of Technology, Cambridge A, Mass.
Valley, George, Harvard University, Cambridge, Mass.
Van Allen, James A., Department of Terrestrial Magnetism, 5241 Broad Branch, Rd. N.W., Washington, D.C.
***Van Atta,** C. M., U. S. Naval Ordnance Laboratory, U. S. Naval Gun Factory, Washington, D.C.
***Van Atta,** Lester C., Massachusetts Institute of Technology, Cambridge A, Mass.
Vance, Bruce B., R.R. No. 2, Box 893, Louisville, Ky. (duPont Manual Training High School.)
Van Cittert, Pieter H., University of Utrecht, Utrecht, Holland.
***Van de Graaff,** Robert J., Massachusetts Institute of Technology, Cambridge A, Mass.
Van den Akker, Johannes A., The Institute of Paper Chemistry, Appleton, Wis.
***Van der Bijl,** Hendrick J., Excom House, Rissik St., Johannesburg, South Africa. (Electricity Supply Commission and South Africa Iron & Steel IndustrialCorp. Ltd.)
Van der Merwe, Carel W., Washington Square College, New York, N.Y.
Van der Veen, J. H., Hector Treubstraat 10, Bussum, Holland. (Bataafsche Petroleum Maatschappij.)
Van der Ziel, Aldert, Julianastraat 65, Eindhoven, Holland. (Philips Lampworks.)
***Van Dusen,** Milton S., National Bureau of Standards, Washington, D.C.
Van Dyke, George D., Earlham, Ind. (Earlham College.)
***Van Dyke,** Karl S., Wesleyan University, Middletown, Conn.
Van Horn, Irving H., General Electric Co., Nela Park, Cleveland, Ohio.
Van Horn, Katherine M., New Jersey College for Women, New Brunswick, N.J.
Van Horne, William S., 1065 Allen Grove St., Frankford, Philadelphia, Pa. (Röhm & Haas Co., Inc.)
Van Lear, George A., Jr., University of Oklahoma, Norman, Okla.
Van Nuys, Claude C., Air Reduction Co. Inc., 60 East 42nd St., New York, N.Y.
***Van Orstrand,** Charles E., 3906 Morrison St. N.W., Washington, D.C. (U. S. Geological Survey.)
***Van Vleck,** John H., Harvard University, Cambridge, Mass.
***Van Voorhis,** Cletus C., Princeton University, Princeton, N.J.
***Van Voorhis,** S. N., University of Rochester, Rochester, N.Y.
Van Wijk, Willem R., Bataafsche Petroleum Maatschappij, Badhuisweg 3, Amsterdam, Holland.
Varian, Russell H., 79 Marlborough Rd., West Hempstead, N.Y.

*Varney, Robert, N., Washington University, St. Louis, Mo.
Vaughan, Alfred L., University of Minnesota, Minneapolis, Minn.
*Veblen, Oswald, 58 Battle Rd., Princeton, N.J. (Institute for Advanced Study.)
Veith, Franz S., 229 Woodland Dr., State College, Pa. (Pennsylvania State College.)
Verwiebe, Frank L., Eastern Illinois State Teachers College, Charleston, Ill.
Victoreen, John, Victoreen Instrument Co., 5806 Hough Ave., Cleveland, Ohio.
Vigness, Irwin, U. S. Naval Research Laboratory, Washington, D.C.
Villars, Donald S., United States Rubber Co., Passaic, N.J.
Vincent, Harvard B., 1614 Granger Ave., Ann Arbor, Mich. (University of Michigan.)
*Vinti, John P., Worcester Polytechnic Institute, Worcester, Mass.
Vitter, Albert L., Jr., 3600 Napoleon Ave., New Orleans, La. (Louisiana Department of Conservation.)
Vivell, Allen E., 40 Edwards Pl., Princeton, NJ. (Princeton University.)
Vogel, Oliver G., Edison G. E., Appliance Co., 5600 West Taylor St., Chicago, Ill.
Vogt, Harold G., 10 Sacramento St., Cambridge, Mass. (Harvard University.)
Volkoff, George M., University of British Columbia, Vancouver, Canada.
Vollmayer, Leo J., John Carroll University, Cleveland, Ohio.
Von Halban, Hans, 11 Rue Guynemer, Sceaux, France. (College of France.)
*Von Hippel, Arthur, Massachusetts Institute of Technology, Cambridge A, Mass.
Von Laue, Max, Albertinenstr. 17, Berlin, Germany.
Von Nardroff, Robert, Columbia University, New York, N.Y.
*Von Neumann, John, Institute for Advanced Study, Princeton, N.J.
Voorhees, Harold R., 1450 Suffolk Ave., Westchester, Ill. (Herzl Jr. College of City of Chicago.)
Vore, Milton P., 4712 Frederick Ave., Baltimore, Md.

Waddel, Ramond C., U. S. Naval Research Laboratory, Washington, D.C.
*Wadlund, Arthur P. R., Trinity College, Hartford, Conn.
Wager, Alan T., University of Chicago, Chicago, Ill. (George Williams College.)
Waggoner, Jack H., 214 Rugg Ave., Newark, Ohio. (Owens-Corning Fiberglas Corp.)
*Wahlin, Hugo B., University of Wisconsin, Madison, Wis.
*Wait, George R., Department of Terrestrial Magnetism, 5241 Broad Branch Rd., N.W., Washington, D.C.
Wakelin, James H., Jr., 218 Twin Oak Dr., Akron, Ohio.
Walchuk, Vera A., 125 Miller Ave., Brooklyn, N.Y.
Waldbauer, Louis, State University of Iowa, Iowa City, Iowa.
Waldie, Alma T., Alden Park Manor, Germantown, Philadelphia, Pa. (Olney High School.)
Waldman, Bernard, University of Notre Dame, Notre Dame, Ind.
Waldorf, Sigmund K., Pennsylvania Water & Power Co., 1611 Lexington Bldg., Baltimore, Md.
Walerstein, Isidor, Purdue University, Lafayette, Ind.
Walker, Edgar R., Maryville College, Maryville, Tenn.
Walker, John W., Box 222, La Fontaine, Ind. (Caribbean Petroleum Corp.)
Walker, Marshall, DuPont Film Manufacturing Corp., Parlin, N.J.
*Wall, Clifford N., North Central College, Naperville, Ill.
Wallace, Clarence W., 1872 Ansel Rd., Cleveland, Ohio. (Case School of Applied Science.)
Wallace, Thomas H., Northeastern University, Boston, Mass.
Walter, John E., Princeton University, Princeton, N.J.
*Walters, Francis M., Jr., U. S. Naval Research Laboratory, Washington, D.C.
Walters, Francis M., 3rd., 27 South College St., Athens, Ohio. (Ohio University.)
Walton, Ernest T. S., Trinity College, Dublin, Ireland.
Walz, Frank C., University of Colorado, Boulder, Colo.
Wang, Jwu S., National Tsing Hua University, Kunming, Yunnan, China.
Wannier, Gregory H., University of Texas, Austin, Tex.
Warburton, Fred W., University of Kentucky, Lexington, Ky.
Ward, Herbert K., Parker Rust Proof Co., 2177 East Milwaukee, Detroit, Mich.
Ward, Newton E., P.O. Box 186, Shelbyville, Ill. (Magnolia Petroleum Co.)
Ware, Lawrence A., State University of Iowa, Iowa City, Iowa.
Warfield, Calvin N., University of North Carolina Woman's College, Greensboro, N.C.
Warga, Mary, E., University of Pittsburgh, Pittsburgh, Pa.
Waring, Robert K., New Jersey Zinc Co., Palmerton, Pa.
Warner, Arthur H., 2044 Kerwood Ave., West Los Angeles, Calif.
Warner, Earle H., 510 East 4th St., Tucson Ariz. (University of Arizona.)
Warner, Glen W., 7633 Calumet Ave., Chicago, Ill. (Wilson Junior College.)
Warner, Marvin C., 2813 Bent Ave., Cheyenne, Wyo. (Wyoming State Highway Dept.)
*Warren, Bertram E., Massachusetts Institute of Technology, Cambridge A, Mass.
Warren, Dana T., University of Omaha, Omaha, Nebr.
Warren, Kenneth L., University of Grand Rapids, Grand Rapids, Mich.
Warren, Robert E., Carthage College, Carthage, Ill.
Warshawsky, Isidore, Box 80, Hampton, Va. (National Advisory Committee for Aeronautics.)
Washburn, Harold W., Consolidated Engineering Corp., 1255 East Green St., Pasadena, Calif.
*Wataghin, Gleb, rua Padre João Manoel, 609, São Paulo, Brazil. (University of São Paulo.)
Watase, Yuzuru, 5 Banchi, Ico-me, Umenoki, Itami-Si, Hyogo-ken, Japan. (Osaka Imperial University.)
*Waterman, Alan T., Yale University, New Haven, Conn.
*Waterman, Frank A., 65 Paradise Rd., Northampton, Mass. (Smith College.)
Watson, Bernard B., Arizona State Teachers College, Tempe, Ariz.
*Watson, Earnest C., California Institute of Technology, Pasadena, Calif.
*Watson, Floyd R., 705 South Lincoln Ave., Urbana, Ill. (University of Illinois.)
Watson, Jesse R., 306 South A St., Forest Grove, Ore.
Watson, Norman A., University of California, Los Angeles, Calif.
Watson, Richard E., Southern Illinois Normal University, Carbondale, Ill.
Watson, Tully F., 808 Grand Ave., Tahlequah, Okla. (Northeastern State College.)
*Watson, William W., Yale University, New Haven, Conn.
Watt, Bob E., The Rice Institute, Houston, Rex.
Way, Katharine, University of Tennessee, Knoxville, Tenn.
Wayland, Harold, University of Redlands, Redlands, Calif.
Weatherby, Benjamin B., Geophysical Research Corp., Box 2040, Tulsa, Okla.
Weatherwax, James L., Philadelphia General Hospital, 34th & Pine Sts., Philadelphia, Pa.
*Weaver, Warren, 160 Brite Ave., Scarsdale, N.Y. (Rockefeller Foundation.)
Webb, Glenn M., Universal Oil Products Co., Riverside, Ill.
*Webb, Harold W., Columbia University, New York, N.Y.
Webb, James S., University of Minnesota, Minneapolis, Minn.
Webb, Julian H., Eastman Kodak Co., Rochester, N.Y.
Webb, Wayne, Pennsylvania State College, State College, Pa.
Webb, William S., University of Kentucky, Lexington, Ky.
Weber, Alfred H., St. Louis University, St. Louis, Mo.
Weber, Ernst, Polytechnic Institute of Brooklyn, Brooklyn, N.Y.
Weber, Louis R., Colorado State College, Fort Collins, Colo.
Weber, Robert L., Pennsylvania State College, State College, Pa.
*Webster, David L., Stanford University, Stanford University, Calif.
Weekes, Donald F., A. & M. College of Texas, College Station, Tex.
Weeks, Dorothy W., Wilson College, Chambersburg, Pa.
Weeks, John R., 313 Lenox Ave., South Orange, N.J. (Bell Telephone Laboratories.)
Weeks, Paul T., 31 Edmunds Rd., Wellesley Hills, Mass.
*Wegel, Raymond L., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Wehe, Herman G., Bell Telephone Laboratories, 463 West St., New York, N.Y.

Wehr, M. Russell, 538 Strathmore Rd., Upper Darby, Pa. (Drexel Institute of Technology.)
Wehrli, Max, 82 Klingelbergstr., Basel, Switzerland. (Physikalische Anstalt der Universität.)
Weid, Arthur C., Box 41, Auburn, Ala. (Alabama Polytechnic Institute.)
***Weigle,** Jean J., University of Geneva, Geneva, Switzerland.
Weil, George L., Columbia University, New York, N.Y.
Weimer, Paul K., Ohio State University, Columbus, Ohio.
Weinhart, Howard, Bell Telephone Laboratories, 463 West St., New York, N.Y.
Weinrich, Morris F., 136 Hicks St., Brooklyn, N.Y. (Brooklyn College.)
Weiss, Peter R., Harvard University, Cambridge, Mass.
Weissberg, Samuel G., National Bureau of Standards, Washington, D.C.
***Weisskopf,** Victor F., University of Rochester, Rochester, N.Y.
Weisz, Paul, Bartol Research Foundation, Swarthmore, Pa.
Weith, Archie J., Bakelite Corp., 230 Grove St., Bloomfield, N.J.
Weizel, Walter, Reuterstr. 39, Bonn, Germany. (University of Bonn.)
Welch, George B., Northeastern University, Boston, Mass.
Welch, George, Bureau of Ordnance, U. S. Navy, Washington, D.C.
Welch, M. W., 1515 Sedgwick St., Chicago, Ill. (W. M. Welch Manufacturing Co.)
***Weld,** LeRoy D., 1838 Blake Blvd., Cedar Rapids, Iowa. (Coe College.)
Weller, Royal, Washington State College, Pullman, Wash.
Welles, Sherrerd B., Yale University, New Haven, Conn.
Wells, Milo, Kemet Laboratories Co., Inc., P.O. Box 6087, Cleveland, Ohio.
Wells, Philip V., P.O. Box 281, Princeton, N.J. (Prudential Insurance Co. of America.)
Wells, William H., 304 Lenox Ave., Forest Hills, Pa. (Westinghouse Electric & Manufacturing Co.)
Welo, Edna M., 239 Main St., Tottenville, N.Y. (Tottenville High School.)
***Welo,** Lars A., 239 Main St., Tottenville, N.Y. (Bureau of Ordnance, U. S. Navy.)
Welsh, Harry L., University of Toronto, Toronto, Canada.
Weltin, Hans, University of California, Berkeley, Calif.
***Weniger,** Willibald, Oregon State College, Corvallis, Ore.
***Wenner,** Frank, National Bureau of Standards, Washington, D.C.
Wenrich, Calvin N., Armstrong Cork Co., Lancaster, Pa.
***Wente,** Edward C., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Werth, Sister Magna, College of St. Benedict, St. Joseph, Minn.
West, Stewart, Stanolind Oil & Gas Co., Box 591, Tulsa, Okla.
West, William, 8 West 16th St., New York, N.Y. (New York University.)
Westerfield, Everett C., Route 1, Box 162B, Costa Mesa, Calif.
Western, Forrest, Harrogate, Tenn. (Lincoln Memorial University.)
Westhafer, William R., 1149 Beall Ave., Wooster, Ohio. (College of Wooster.)
Westland, Father Anthony J., Spring Hill College, Spring Hill, Ala.
Westphal, Raymond C., 816 Savannah Ave., Wilkinsburg, Pa. (Westinghouse Electric & Manufacturing Co.)
***Wetzel,** Reinhard A., 218 Tecumseh Ave., Mount Vernon, N.Y. (College of the City of New York.)
Wetzel, Wilfred W., University of Minnesota, Minneapolis, Minn.
Wheatland, David P., Harvard University, Cambridge, Mass.
***Wheeler,** Edwin B., 2059 Midlothian Dr., Altadena, Calif.
***Wheeler,** John A., Princeton University, Princeton, N.J.
***Wheeler,** Lynde P., 2317-20th St. N.W., Washington, D.C. (Federal Communications Commission.)
Wheeler, Mary A., Vassar College, Poughkeepsie, N.Y.
Wheeler, Nathaniel E., 17 Boutelle Ave., Waterville, Me. (Colby College.)
Wheelwright, George W., 3rd, Polaroid Corp., 730 Main St., Cambridge, Mass.
***Whitaker,** Martin D., New York University, University Hghts., New York, N.Y.
White, Allyn B., Massachusetts Institute of Technology, Cambridge A, Mass.
White, Deane R., DuPont Film Manufacturing Corp., Parlin, N.J.
White, Frederick E., 91 Odell Ave., Beverly, Mass. (Boston College.)
White, Gifford E., 273 Beacon St., Boston, Mass. (Humble Oil & Refining Co.)
White, Gladys, 4109 North Henderson Rd., Arlington, Va. (U. S. Department of Agriculture.)
***White,** Harry J., 1016 West 9th St., Los Angeles, Calif. (Research Corporation.)
***White,** Harvey E., University of California, Berkeley, Calif.
White, James W., King College, Bristol, Tenn.
White, John E., 325 Wilson Ave., Morgantown, W. Va. (West Virginia University.)
White, John U., 1033 Coolidge Rd., Elizabeth, N.J. (Standard Oil Development Co.)
White, Marsh W., 511 East Prospect Ave., State College, Pa. (Pennsylvania State College.)
White, Milton G., Princeton University, Princeton, N.J.
White, Samuel D., Bell Telephone Laboratories, 463 West St., New York, N.Y.
White, Thomas N., Jr., National Cancer Institute, Bethesda, Md.
***White,** Walter P., 3210 Newark St., Washington, D.C.
White, Wilfred C., 421 South Plane St., Burlington, Iowa.
White, William B., 5149 Agatite Ave., Chicago, Ill. (The School of Pianoforte Technology.)
***Whitehead,** John B., The Johns Hopkins University, Baltimore, Md.
Whitelaw, Neill G., Presbyterian College, Clinton, S.C.
Whiting, Bertine A., 620 Liberty St., Ripon, Wis.
Whitmarsh, David C., Jr., 874 Ackerman Ave., Syracuse, N.Y. (Syracuse University.)
Whitmer, Charles A., University of Oklahoma, Norman, Okla.
Whitmer, Robert M., Purdue University, Lafayette, Ind.
Whitney, John D., Harris Teachers College, St. Louis, Mo.
Whitney, Lester V., 1132 Fassnight Dr., R.R. 8, Springfield, Mo. (Southwest Missouri State Teachers College.)
***Whitney,** Willis R., General Electric Co., Schenectady, N.Y.
Whitson, William L., Washington Missionary College, Washington, D.C.
***Wick,** Frances G., Vassar College, Poughkeepsie, N.Y.
Wick, Gian C., via Lorenzo il Magnifico 104, Rome, Italy.
Widmaier, William, Armstrong Cork Co., Millville, N.J.
Wiedeman, Gustave, 2312 Quentin Rd., Brooklyn, N.Y. (New York City Board of Education.)
Wiedmann, M. L., Yale University, New Haven, Conn.
Wiersma, E. C., Heemskerkstr. 17, Delft, Holland. (University of Delft.)
Wiggers, Carl J., Western Reserve University, Cleveland, Ohio.
Wiggins, John S., 2034 Westview St., Los Angeles, Calif. (University of Southern California.)
Wightman, E. Russell, Doane College, Crete, Nebr.
***Wigner,** Eugene P., Princeton University, Princeton, N.J.
Wilbur, Donald A., Rensselaer Polytechnic Institute, Troy, N.Y.
Wilchinsky, Zigmond W., Massachusetts Institute of Technology, Cambridge A, Mass.
***Wilcox,** Guy M., 5225 Ingleside Ave., Chicago, Ill. (Armour Institute of Technology.)
Wilcox, Hugh B., University of Minnesota, Minneapolis, Minn.
Wilhelm, J. O., University of Toronto, Toronto, Canada.
Willard, Gerald W., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Williams, Albert J., Jr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia, Pa.
Williams, Clarke, 4710 Delafield Ave., Riverdale, N.Y. (College of the City of New York.)
Williams, David T., Buckroe Beach, Va. (National Advisory Committee for Aeronautics.)
***Williams,** Dudley, University of Florida, Gainesville, Fla.
Williams, E. Allan, 41 Riverview Ave., Reedley, Calif. (Reedley Joint Union High School and Junior College.)
***Williams,** Elmer H., 702 Pennsylvania Ave., Urbana, Ill. (University of Illinois.)
***Williams,** Horatio B., Columbia University College of Physicians and Surgeons, New York, N.Y.
***Williams,** Howell J., 52 Meadowbrook Rd., Chatham, N.J. (Bell Telephone Laboratories.)
Williams, J. D., Princeton University Observatory, Princeton, N.J.

*Williams, John H., University of Minnesota, Minneapolis, Minn.
Williams, Marvin M. D., Mayo Clinic, Rochester, Minn.
Williams, Morgan L., National Bureau of Standards, Washington, D.C.
*Williams, Neil H., 1020 Olivia Ave., Ann Arbor, Mich. (University of Michigan.)
Williams, Philip S., The Carter Oil Co., Tulsa, Okla.
*Williams, Samuel R., Amherst College, Amherst, Mass.
Williams, W. Ewart, Middle South Cottage, Tatsfield, Kent, England.
Williams, William H., University of California, Berkeley, Calif.
*Williamson, Robert C., Box 2243, University Station, Gainesville, Fla. (University of Florida.)
Willis, Clodius H., 128 Fitz Randolph Rd., Princeton, N.J. (Princeton University.)
Willis, H. Hugh, Sperry Gyroscope Co., Inc., Manhattan Bridge Plaza, Brooklyn, N.Y.
Wills, Lawrence A., College of the City of New York, New York, N.Y.
Wilsey, Rex B., Eastman Kodak Co., Rochester, N.Y.
Wilson, Charles M., 511 West Oakdale Ave., Chicago, Ill. (Chicago Police Scientific Crime Detection Laboratory.)
Wilson, Earl D., Westinghouse Electric & Manfacturing Co., East Pittsburgh, Pa.
*Wilson, E. Bright, Jr., 12 Oxford St., Cambridge, Mass. (Harvard University.)
*Wilson, Harold A., The Rice Institute, Houston, Tex.
Wilson, James R., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Wilson, John G., University of Manchester, Manchester, England.
Wilson, John L., 2101 Dudley Ave., St. Paul, Minn. (Economics Laboratory, Inc.)
Wilson, Lucy, Wellesley College, Wellesley, Mass.
Wilson, Raymond E., University of Washington, Seattle, Wash.
Wilson, Robert G., University of Dubuque, Dubuque, Iowa.
Wilson, Robert R., Princeton University, Princeton, N.J.
*Wilson, Thomas A., Mellon Institute of Industrial Research, Pittsburgh, Pa.
Wilson, Thomas C., 458 Lafayette Ave., Palmerton, Pa. (New Jersey Zinc Co.)
Wilson, Volney C., University of Chicago, Chicago, Ill.
*Wilson, William, Bell Telephone Laboratories, 463 West St., New York, N.Y.
*Winans, John G., University of Wisconsin, Madison, Wis.
Winch, Ralph P., Williams College, Williamstown, Mass.
*Winchester, George, Rutgers University, New Brunswick, N.J.
Winkel, Edwin F., Warner & Swasey Observatory, Taylor Rd. and Brunswick, East Cleveland, Ohio.
Winninghoff, Wilford J., 407 Clark St., South Orange, N.J. (General Electric Co.)
Winsor, Lauriston P., Case School of Applied Science, Cleveland, Ohio.
Wissink, Gerrit M., State Teachers College, Mankato, Minn.
Wissler, Benjamin F., Middlebury College, Middlebury, Vt.
Witcher, Clifford M., 1065 McLynn Ave., Atlanta, Ga.
*Witmer, Enos E., University of Pennsylvania, Philadelphia, Pa.
Witters, Juanita, 1905 Ninth St., Bremerton, Wash.
Witting, Edward G., 979 Broadway, Long Branch, N.J. (Signal Corps Laboratories.)
*Wolcott, Edson R., 917 Crenshaw Blvd., Los Angeles, Calif.
*Wold, Peter I., Union College, Schenectady, N.Y.
Wolf, Alexander, The Texas Co., Houston, Tex.
*Wolf, Alfred, Geophysical Research Corp., 2607 North Boston Pl., Tulsa, Okla.
*Wolfe, Hugh C., 30 Lawrence Pkwy., Tenafly, N.J. (College of the City of New York.)
Wolff, Irving, RCA Manufacturing Co., Camden, N.J.
*Wollan, Ernest O., University of Chicago, Chicago, Ill.
Womer, Robert L., Western Cartridge Co., East Alton, Ill.
Wood, Lawrence A., National Bureau of Standards, Washington, D.C.
*Wood, Robert W., The Johns Hopkins University, Baltimore, Md.
Woodbridge, Donald B., Brooklyn College, Brooklyn, N.Y.
Woodbury, D. A., Ohio Wesleyan University, Delaware, Ohio.
Woodcock, Karl S., 86 Russell St., Lewiston, Me. (Bates College.)
Woodcock, Wilson W., 435 West 123rd St., New York, N.Y. (Hunter College.)
Woodford, Dexter E., 1398 Chippewa Ave , Akron, Ohio. (Goodyear Tire & Rubber Co.)
*Woodman, Leon E., 1301 State St., Rolla, Mo.
Woodmansee, Buryl S., Bell Telephone Laboratories, 463 West St., New York, N.Y.
*Woodrow, Jay W., Iowa State College, Ames, Iowa.
Woodruff, Albert E., 619 Gunderson Ave., Oak Park, Ill. (Associated Electric Laboratories, Inc.)
Woods, Robert M., 119 Eveningside Dr., Chattanooga, Tenn. (University of Chattanooga.)
Woods, Robert W., P.O. Box 52, South Lancaster, Mass.
Woodson, Robert A., 114 Winter St., Troy, N.Y. (Rensselaer Polytechnic Institute.)
Woodward, William M., Princeton University, Princeton, N.J.
Woodyard, John R., 114 Locust St., Garden City, N.Y.
Wooldridge, Dean E., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Woolley, Harold W., 210 County Rd., Kensington, Md. (National Bureau of Standards.)
Woonton, Garnet A., University of Western Ontario, London, Canada.
Wooten, Benjamin A., University, Ala. (University of Alabama.)
*Workman, E. J., 1800 Sigma Chi Rd., Albuquerque, N.Mex. (University of New Mexico.)
Worley, Edwin, San Diego State College, San Diego, Calif.
Worrall, George H., 1029 Point View St., Los Angeles, Calif. (Mitchell Camera Corp.)
*Worthing, Archie G., University of Pittsburgh, Pittsburgh, Pa.
Wrenshall, Gerald A., McMaster University, Hamilton, Canada.
*Wright, Frederick E., Geophysical Laboratory, 2801 Upton St. N.W., Washington, D.C.
Wright, Howard, Pennsylvania State College, State College, Pa.
Wright, Norman, The Dow Chemical Co., Midland, Mich.
Wright, Rufus W., P.O. Box 205, Corning, N.Y. (Corning Glass Works.)
*Wright, Winthrop R., Swarthmore College, Swarthmore, Pa.
Wrigley, Walter, Sperry Gyroscope Co., Inc., Manhattan Bridge Plaza, Brooklyn, N.Y.
Wu, Cheng-Kai, 65 Kimberley Rd., Cambridge, England. (University of Cambridge.)
Wu, Chien-Shiung, International House, Berkeley, Calif. (University of California.)
Wu, Violet, Hwa Nan College, Foochow, China.
*Wulf, Oliver R., U. S. Weather Bureau, Washington, D.C.
Wulff, John, Massachusetts Institute of Technology, Cambridge A, Mass.
Wyckoff, Harold O., 1357 Jefferson St. N.W., Washington, D.C. (U. S. Coast and Geodetic Survey.)
Wyckoff, R. Cushman, Buena Vista College, Storm Lake, Iowa.
*Wyckoff, Ralph D., Gulf Research & Development Co., Drawer 2038, Pittsburgh, Pa.
*Wyckoff, Ralph W. G., Lederle Laboratories, Inc., Pearl River N.Y.

Yagi, Hidetsugu, Osaka Imperial University, Osaka, Japan.
Yamada, Hikoji, Kobe Nautical College, Kobe, Japan.
Yamaguchi, Seitaro, Asiya hama Hyogo-ken, Japan. (Osaka Imperial University.)
Yamamoto, Hideo, Asahi Glass Co., 2553 Ushioda. Yokohama, Japan.
Yamasaki, Fumio, 20 Akebono cho, Hongo, Tokyo, Japan. (Institute of Physical and Chemical Research.)
Yasaki, Tameichi, Institute of Physical and Chemical Research, Tokyo, Japan.
Yeargers, Frank H., Box 312, Opelousas, La. (Schlumberger Well Surveying Corp.)
Yearian, Hubert J., Purdue University, Lafayette, Ind.
*Yensen, Trygve D., Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.
Yockey, Hubert P., 6037 Chabot Rd., Oakland, Calif. (University of California.)
Yoshinaga, Hiroshi, Osaka Imperial University, Osaka, Japan.
Yost, Francis L., United States Rubber Co., 6600 East Jefferson, Detroit, Mich.
Yost, W. Jacque, 304 Waverly Ave., Syracuse, N.Y. (Syracuse University.)

Young, Allan C., National Research Council, Ottawa, Canada.
Young, John F. T., University of Manitoba, Winnipeg, Canada.
Young, Lloyd A., Carnegie Institute of Technology, Pittsburgh, Pa.
Young, Otis B., Southern Illinois Normal University, Carbondale, Ill.
Young, Robert T., Jr., Worcester Polytechnic Institute, Worcester, Mass.
Young, Roscoe C., Box 485, Williamsburg, Va. (College of William and Mary.)
Young, Victor J., New York University, University Hghts., New York, N.Y.
Youngblood, John, University of Wisconsin, Madison, Wis.
Yukawa, Hideki, Kyoto Imperial University, Kyoto, Japan.
Yunker, Edwin A., Oregon State College, Corvallis, Ore.

***Zabel,** Rolland M., 47 Sheffield Rd., Melrose, Mass. (Hygrade Sylvania Corp.)
***Zacharias,** Jerrold R., 305 West 90th St., New York, N.Y. (Hunter College.)
***Zachariasen,** William H., University of Chicago, Chicago, Ill.
Zaffarano, Daniel J., 753 North Main St., Fostoria, Ohio. (National Carbon Co.)
Zagor, Herbert I., 238 State St., Perth Amboy, N.J. (New York University.)
Zahl, Harold A., 320 Bath Ave., Long Branch, N.J. (Signal Corps Laboratories.)
Zahl, Paul A., 5 Prospect Pl., New York, N.Y.
Zanstra, H., Radcliffe Observatory, Pretoria, South Africa.
Zaret, Matthew E., 645 West 160th St., New York, N.Y. (Amtorg Trading Corp.)
Zartman, Ira F., Muhlenberg College, Allentown, Pa.
***Zeleny,** Anthony, 1933 East River Ter., Minneapolis, Minn. (University of Minnesota.)
***Zeleny,** John, 44 Cold Spring St., New Haven, Conn. (Yale University.)
***Zemansky,** Mark W., College of the City of New York, New York, N.Y.
***Zener,** Clarence, State College of Washington, Pullman, Wash.
Ziegler, George E., Armour Research Foundation, Chicago, Ill.
Zimmerman, Carroll L., Whitman College, Walla Walla, Wash.
Zimmerman, Lester I., 6102 Washington Blvd., St. Louis, Mo. (Harris Teachers College.)
***Zinn,** Walter H., Columbia University, New York, N.Y. (College of the City of New York.)
Zinszer, Harvey A., Fort Hays Kansas State College, Hays, Kans.
Zinzow, William A., Bakelite Corp., 230 Grove St., Bloomfield, N.J.
Zisman, William A., 2027–38th St. S.E., Washington, D.C. (U. S. Naval Research Laboratory.)
***Zobel,** Otto J., Bell Telephone Laboratories, 463 West St., New York, N.Y.
Zottu, Paul D., Thermal Research Corp., 121 South 15th St., Richmond, Va.
***Zumstein,** Robert V., Ohio State University, Columbus, Ohio.
***Zwicky,** Fritz, California Institute of Technology, Pasadena, Calif.
***Zworykin,** Vladimir K., RCA Manufacturing Co., Camden, N.J.

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Sturdivant, J. Holmes
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Tolman, Richard C.
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Richmond
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Sacramento
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St. Mary's College
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San Bernardino
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San Diego
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San Francisco
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Cravath, Austin M.
Croninger, Bernard K.
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Hoffman, Samuel O.
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Mei, Alexis I.
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San Marino
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Santa Barbara
Martin, Emmett V.

Stanford University
Bloch, Felix
Bloch, Lore C.
Bradbury, Norris E.
Hansen, William W.
Kelly, Howard R.
Kirkpatrick, Paul
Oppenheimer, Frank
Stephens, William E.
Webster, D. L.

Stockton
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Walnut Creek
Redmond, Arthur H.

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Hylan, Malcolm C.
Lester, O. C.
Lubovich, Vladimir P.
McLenathen, C. W.
Pietenpol, William B.
Walz, Frank C.

Colorado Springs
Meredith, George T.
Pelsor, Gene T.

Denver
Cohn, Byron E.
Hyslop, William H.
Nyswander, R. E.
Stearns, J. C.

Fort Collins
Coon, Jesse B.
Koontz, Philip G.
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CONNECTICUT—64

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Bridgeport
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East Haddam
Morse, Jared K.

East Hartford
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Essex
Grant, R. E.

Greenwich
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Hamden
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Onsager, Lars

Hartford
Dadourian, H. M.
Doolittle, Howard D.
Mongan, Charles E., Jr.
Mueller, Donald W.
Perkins, Henry A.
Wadlund, Arthur P. R.

Middletown
Cady, Walter G.
Eaton, Vernet E.
Hubbell, Harry H., Jr.
Van Dyke, Karl S.

New Haven
Adams, Norman I., Jr.
Bradley, Charles D.
Cooksey, C. D.
Cooper, Frank L.
Gagge, A. Pharo
Hartman, Lawton M., III
Heller, Ralph
Humphreys, Richard F.
Kovarik, Alois F.
Lane, Cecil T.
Margenau, Henry
McKeehan, Louis W.
Montgomery, Carol G.
Montgomery, Dorothy D.
Murphy, G. M.
Ott, Lawrence
Page, Leigh
Pollard, Ernest
Schultz, Howard L.
Shambon, Arthur
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Spitzer, Lyman, Jr.
Uhler, Horace S.
Waterman, Alan T.
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Welles, Sherrerd B.
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New London
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Daghlian, Garabed K.
Hoag, J. Barton
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Norwich
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South Norwalk
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Stamford
Barnes, R. Bowling
Burton, Charles J.
Cunningham, Frederick W.
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Storrs
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Waterbury
Mabey, Charles A.
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West Hartford
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DELAWARE—7

Newark
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DISTRICT OF COLUMBIA—161

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Astin, Allen
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Beck, Carl A.
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Berkner, L. V.
Bourland, L. T.
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Brewer, A. Keith
Brice, Richard T.
Brickwedde, Ferdinand G.
Briggs, C. A.
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Brown, T. Townsend
Brown, Thomas B.
Burda, Francis X.
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Cleeton, Claud E.
Coblentz, W. W.
Cohen, Victor W.
Coleman, Frank
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Crittenden, Eugene C.
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Cummings, Herbert K.
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Warren, Robert E.

Champaign
Hoersch, Victor A.
Patterson, Chalmer N.

Charleston
Verwiebe, Frank L.

Chicago
Abbott, F. R.
Ackley, Robert A.
Allison, Samuel K.
Andersen, Erik
Anderson, Stanley
Beardsley, Niel F.
Bender, William

Chicago con't.
Besancon, Robert M.
Beutler, H.
Bloomenthal, Sidney
Bradford, James M.
Brown, Allan R.
Brown, F. C.
Brown, Weldon G.
Bueso-Sanllehi, Facundo
Christy, Andrew
Cleveland, Forrest F.
Compton, Arthur H.
Constantinides, Philip A.
Copeland, Paul L.
Countryman, M. Alden
Dannis, Mark L.
Darnell, Carl
Dempster, Arthur J.
Dershem, Elmer
Dillinger, Joy F.
Donahue, Sister Mary St. Helen
Dunifon, James W.
Eckart, Carl
Ference, Michael, Jr.
Fleming, James J.
Franck, James
Frye, William E.
Gale, Henry G.
Harkins, W. D.
Heil, Louis M.
Holley, Clifford
Hoyt, Frank C.
Jacobsohn, Samuel
Jesse, William P.
Kanne, W. R.
Kleis, John D.
Klopsteg, Paul E.
Lariviere, Rose
Leedy, Haldon A.
Lemon, Harvey B.
Lohr, Vergil C.
Lunn, Arthur C.
Metropolis, Nicholas
Miller, Kenneth W.
Monk, George S.
Morris, Lloyd P.
Mrozowski, Stanislaw
Mulliken, Robert S.
Murray, Forrest H.
Nedelsky, Leo
Newson, Henry W.
Orndoff, Benjamin H.
Phillips, Theodore G.
Poulter, Thomas C.
Rashevsky, Nicolas
Regener, Victor H.
Richardson, Donald E.
Rieke, Foster F.
Romig, Walter W.
Rothenstein, Otto
Sayvetz, Aaron
Schein, M.
Shaw, Albert E.
Sherwin, Chalmers W.
Skaggs, Lester S.
Skinner, E. W.
Skinner, Selby M.
Slotin, Louis
Snell, Arthur H.
Sordahl, Louis O.
Sprengel, H. J.
States, M. N.
Stephenson, Reginald J.
Stevens, Daniel S.
Stone, Carrington H.
Strong, Herbert M.
Therese, Sister Mary
Thompson, James S.
Trout, E. Dale
Turkevich, Anthony
Vagtborg, Harold
Vogel, Oliver G.
Wager, Alan T.
Warner, Glen W.
Welch, M. W.
White, William B.
Wilcox, G. M.
Wilson, Charles M.
Wilson, Volney C.
Wollan, E. O.
Zachariasen, W. H.
Ziegler, George E.

Cicero
Shonka, Francis R.

Decatur
Johnson, Richard A.
Palmer, R. Ronald

DeKalb
Eaton, Durward L.

East Alton
Stehn, John R.
Womer, R. L.

Elmhurst
Hole, W. L.
Rickmeyer, E. W.

Elsah
Hooper, W. J.

Eureka
Rinker, Jacob A.

Evanston
Bockstahler, Lester I.
Brentano, J. C. M.
Cashman, Robert J.
Crew, Henry
Fisher, R. A.
Huxford, Walter S.
Jamison, Noel C.
Jones, Haydn
Jones, Richard W.
Kassel, Louis S.
Overbeck, Clarence J.
Peck, Edson R.
Potts, Louis M.
Rollefson, K. E.
Smith, Arthur B.
Spence, B. J.

Freeport
Coleman, Joseph J.

Galesburg
Longden, A. L.

Geneva
Sabine, Paul E.

Greenville
Bettis, Edward S.
Moyer, Burton J.

Jacksonville
Cooke, Francis W.

La Grange
Hancox, Robert R.

Lake Forest
Harris, Roscoe E.

Lisle
Shonka, Joseph J.

Naperville
Wall, C. N.

Oak Park
Holmquest, H. J.
Woodruff, Albert E.

Palatine
Kerry, John R.

Park Ridge
Phebus, W. C.

Peoria
Long, V. A.
Melvin, Eugene H.
Swaim, Verne F.

Peru
Allaire, Royal P.

River Forest
Bichowsky, Francis
Fidelis, Sister Mary

Riverside
Ehrhardt, Charles H.
Webb, Glenn M.

Rockford
Johnson, A. Frances

Rock Island
Larson, Karl G.

St. Elmo
Howard, Robert A.

Shelbyville
Ward, Newton E.

Urbana
Adams, Gail D., Jr.
Almy, Gerald M.
Baldwin, George C.
Berger, France B.
Carman, Albert P.
Clark, Robert K.
Coggeshall, Norman D.
Coltman, John W.
Dancoff, Sidney M.
Fett, Gilbert H.
Gamertsfelder, G. R.
Goldhaber, M.
Good, William E.
Gore, Robert C.
Haworth, Leland J.
Jordan, Edward B.
Kanner, Morton H.
Klaiber, Stanley
Knipp, Charles T.
Kruger, P. Gerald
Loomis, F. W.
Luebke, Emmeth A.
Manley, John H.
McClellan, Cyril E.
McCune, Robert F.
Mott-Smith, Harold M.
Nye, Herbert A.
O'Neal, Russell D.
Parker, William L.
Paton, Robert F.
Phillips, L. W.
Piersol, Robert J.
Rawcliffe, Robert D.
Reich, Herbert J.
Richardson, J. Reginald
Rodebush, Worth H.
Serber, Robert
Tykociner, J. T.
Watson, Floyd R.
Williams, Elmer H.

Waukegan
Pfanstiehl, Carl

Westchester
Voorhees, H. R.

Wheaton
Taylor, H. O.

Wilmette
Klapperich, A. J.

Winnetka
Binder, John L.

INDIANA—74

Argos
Davis, Ardith P.

Bloomington
Burke, T. Finley
Chromey, Fred
Clark, Arnold F.
Cook, C. Sharp
Foley, Arthur L.
Greuling, Eugene
Hufford, Mason E.
Konopinski, Emil J.
Kurie, Franz N. D.
Langer, Lawrence M.
Laslett, L. Jackson
Martin, John H.
McDaniel, Paul W.
Mitchell, Allan C. G.
Ramsey, Rolla R.

Crawfordsville
Horton, George W.

Dexter
James, Louis E.

Earlham
Van Dyke, George D.

Evansville
Buffington, Ralph M.
Hovda, Olaf

Fort Wayne
Larson, Chris

Goshen
Bender, Paul
Hartzler, H. Harold

Greencastle
Giddings, Glenn W.
Smith, Orrin H.

Hanover
Martin, R. Earl

Huntingburg
Koenig, Harold D.

Lafayette
Abbott, Raymond B.
Akeley, Edward S.
Barss, Walter M.
Carlson, J. Franklin
Cohee, Arthur V.
Doran, Ray L.
Elliott, Daniel R.
George R. H.
Guthrie, Andrew
Hancock, J. Ogden
Hawkins, George A.
Henderson, Wm. James
Jacobs, Ludolph
James, Hubert M.
Johnson, Vivian A.
King, L. D. Percival
Knipp, J. K.
Lanczos, Cornelius
Lark-Horovitz, K.
Miller, Emery P.
Mitchell, Elizabeth A.
Mundie, Lloyd G.
Parshall, Clarence M.
Risser, J. R.
Scanlon, Wayne W.
Schreiber, Raemer E.
Smith, Ronald N.
Walerstein, I.
Whitmer, Robert M.
Yearian, Hubert J.

La Fontaine
Walker, John W.

Lebanon
Cook, Kenneth S.

North Manchester
Ulrey, Clayton T.

Notre Dame
Anthony, R. L.
Baldwin, George J.
Bolger, Henry J.
Caston, Ralph H.
Claridge, George C.
Collins, George B.
Coomes, Edward A.
Feldmeier, Joseph R.
Guth, Eugene
Haas, Arthur
Waldman, Bernard

South Bend
James, William S.

Terre Haute
Hansche, George E.
Howlett, B. A.

IOWA—40

Ames
Atanasoff, John V.
Barthel, C. E., Jr.
Burnight, T. Robert
Caldwell, Wallace C.
Carr, Percy H.
Dinger, J. E.
Earls, Lester T.
Feldstein, Cyril
Fox, Gerald W.
Kammer, Erwin W.
Spinney, L. B.
Woodrow, Jay W.

Burlington
White, Wilfred C.

Cedar Falls
Kadesch, William H.

Cedar Rapids
Weld, LeRoy D.

Davenport
Rohret, Louis A.

Des Moines
Morehouse, T. W.

Dubuque
Wilson, Robert G.

Fairfield
Jenness, J. R.

Forest City
Syrdal, Richard R.

Grinnell
Gale, Grant O.

Indianola
Carr, Arthur B.

Iowa City
Eldridge, John A.
Ellett, Alexander
Glockler, George
Jacobs, James A.
Lapp, Claude J.
McLean, William B.
Parker, Floyd W.
Plain, Gilbert J.
Stewart, G. W.
Swift, Irvin H.
Tyndall, Edward P. T.
Waldbauer, Louis
Ware, L. A.

Mount Pleasant
Morrow, Roger M.

Mount Vernon
Nelson, Roy A.

Plymouth
Holroyd, Howard B.

Sioux City
Graber, Myron E.

Storm Lake
Wyckoff, R. Cushman

KANSAS—29

Atchison
Pretz, Paschal H.
Sullivan, Sister Helen

Baldwin City
Challacombe, Carl N.

Emporia
Cram, S. Winston
Miller, R. F.

Hays
Goodwin, R. A.
Rinehart, John S.
Zinszer, Harvey A.

Lawrence
Chapman, Seville
Kent, Carleton V.
Kester, F. E.
Rice, M. E.
Stranathan, James D.

Manhattan
Allen, James S.
Cardwell, A. B.
Fletcher, Hazel M.
Hudiburg, Leo E.
Lyon, Eric R.
Maxwell, George W.
McMillen, James H.

North Newton
Friesen, A. P.

Salina
Gustafson, Raymond

Topeka
Riggs, Philip S.

Wichita
Bottom, V. E.
Kaufman, Clinton
Manning, K. V.

Winfield
Albright, Penrose S.
Bertsch, Carl V.
Plum, W. B.

KENTUCKY—19

Berea
Noll, F. H. Waldemar

Bowling Green
Forman, Guy

Covington
Bresch, Sister Mary I.

Danville
Sawyer, Raymond B.

Lexington
Ebert, Alfred A., Jr.
Hahn, Thomas M.
Koppius, O. T.
Mayes, Fred M.
Pardue, Louis A.
Warburton, Fred W.
Webb, William S.

Louisville
Bennett, Donald M.
Loring, Ralph A.
Smyth, Harold T.
Vance, Bruce B.

Morehead
Black, J. G.

Murray
Hire, Charles

Pippapass
Schocken, Klaus

Richmond
Hummel, Arnim D.

LOUISIANA—24

Lake Charles
Armstrong, John E.

New Orleans
Alexis, Lucien V.
Barr, E. Scott
Bosch, Walter C.
Branson, Herman R.
Burns, Robert O.
Elliott, Daniel S.
Jefferson, Merrill E.
Lyon, J. Adair
Lyons, W. James
Mooney, Rose L.
Morris, Joseph C.
Vitter, A. L.

Opelousas
Yeargers, Frank H.

Ruston
Ruff, H. E.

Shreveport
Keen, C. D.
Schwede, Harold F.

University
Bender, David F.
Goodrich, Max
Guthrie, David V.
Hatfield, T. N.
Jaffe, George
Keen, Richard C.
Morris, Lloyd W.

MAINE—8

Brunswick
Bartlett, Boyd W.
Jeppesen, Myron A.
Little, Noel C.

Lewiston
Woodcock, Karl S.

Orono
Bennett, Clarance E.
Crofutt, Charles B.
Larsen, Karl D.

Waterville
Wheeler, Nathaniel E.

MARYLAND—65

Aberdeen
Carr, Thomas D.
Kent, R. H.

Annapolis
Bleick, Willard E.
Echols, Robert L.

Baltimore
Ames, Joseph S.
Andrews, Donald H.
Banks, Floyd R., Jr.
Banning, Mary
Barton, Vola P.
Bearden, J. A.
Buchdahl, Rolf
Curtis, Howard J.
Delaney, John P.
Dieke, G. H.
Estabrook, G. B.
Fowler, Robert D.
Frehafer, M. Katherine
Friedman, Herbert
Garten, William, Jr.
Ginsburg, Nathan
Hubbard, J. C.
Inglis, D. R.
Jennings, B.
Karrer, Sebastian
Lange, Edward H.
Murnaghan, Francis D.
Oliver, Anne R.
Pfund, A. H.
Reid, Harry F.
Rose, John E.
Sachs, Robert G.
Schwarz, Guenter
Shaw, C. H.
Thornton, James K.
Vore, M. P.
Waldorf, S. K.
Whitehead, John B.
Wood, R. W.

Bethesda
Brackett, Frederick S.
Day, Arthur L.
Hollaender, Alexander
Kahler, Herbert
Kirby-Smith, John S.
Kuper, J. B. Horner
Smith, Paul L.
Taylor, Lauriston S.
White, Thomas N., Jr.

Chevy Chase
Brombacher, W. G.
Duncan, Robert C.
Gamow, G.
Gardner, Irvine C.
Johnson, Ellis A.
Laufer, Maurice K.
Peck, Mahlon F.

College Park
Dickinson, Beryl H.
Myers, R. D.
Smith, H. Hunter

Frederick
Asset, Gabrielle

Glen Echo
Curl, Gilbert H.

Hampstead
Parsons, Louis A.

Kensington
Woolley, Harold W.

New Windsor
Rodgers, Stanley E., Jr.

Takoma Park
Fullmer, Irvin H.

Westminster
Metcalf, Richard P.

Woodstock
O'Conor, John S.

MASSACHUSETTS—280

Amesbury
Bacon, Arthur A.

Amherst
Alderman, George W.
Grahame, David C.
Green, Warren K.
Powers, W. F.
Ross, William H.
Soller, Theodore
Stifler, William W.
Thompson, Joseph O.
Williams, Samuel R.

Arlington
Guillemin, Victor, Jr.

Ashfield
Bacon, George P.

Auburndale
Gager, F. Malcolm

Belmont
Cobine, James D.
Edgerton, Harold E.
Getting, I. A.
Hunt, Frederick V.
Klemperer, Hans
Livingood, John J.

Beverly
Albright, C. Leonard
Biggs, Orrick H.
White, Frederick E.

Boston
Eustis, Warner
Frye, Royal M.
Haddock, Frederick T., Jr.
Hollomon, John H.
Hudson, J. Cramer
Kent, Norton A.
Muckenhoupt, Carl F.
Rines, David
Wallace, Thomas H.
Welch, George B.
White, Gifford E.

Bradford
Otis, Charles F.

Braintree
Keith, Marcia A.

Brighton
Reinheimmer, Hans

Brockton
Keary, T. J.

Brookline
Cooper, Edward B.
Matz, Charles H.

Cambridge
Abbot, L. H.
Albertson, Walter
Allen, Alexander J.
Aller, Lawrence H.
Allis, William P.
Bainbridge, K. T.
Bancroft, Dennison
Beattie, James A.
Bender, Roger S.
Birch, Francis
Biscoe, Jonathan
Bitter, Francis

Cambridge con't.
Black, N. Henry
Bowles, Edward L.
Boyce, Joseph C.
Bridgman, P. W.
Brooks, Harvey
Brown, Sanborn C.
Buck, John H.
Buckingham, Stephen A.
Buechner, William W.
Burwell, John T., Jr.
Chaffee, E. Leon
Clancy, E. P.
Clearman, Harold E., Jr.
Clogston, Albert M.
Cole, Robert H.
Compton, Karl T.
Comstock, Daniel F.
Coolidge, Albert S.
Corson, Dale R.
Curtis, Baldwin R.
Deutsch, Martin
Draper, Charles S.
DuBridge, L. A.
Dunnington, Frank G.
Dwyer, Robert J.
Eastham, Melville
Elliott, Lloyd G.
Evans, Robley D.
Fankuchen, I.
Feistel, Horst
Feshbach, Herman
Finkelstein, R. J.
Frank, Nathaniel H.
Frank, Philipp G.
Furry, Wendell H.
Fussell, Lewis, Jr.
Goodman, Clark
Goodwin, Harry M.
Grabau, Martin
Grant, Archie C.
Hamilton, Donald R.
Hardy, Arthur C.
Harrison, George R.
Harrison, Henry
Harvey, G. G.
Heilprin, Laurence B.
Herb, Raymond G.
Hickman, Roger W.
Hill, Albert G.
Hocker, James P.
Horton, J. Warren
Houghton, Henry G., Jr.
Hunsaker, J. C.
Irvine, John W., Jr.
Jackson, Dugald C.
Jones, R. Clark
Kemble, Edwin C.
Keyes, Frederick G.
King, Gilbert W.
Kip, Arthur F.
Knobel, Max
Lamar, Edward S.
Lawson, James L.
Leschen, John G.
Lewis, Lester C.
Livingston, M. Stanley
Loofbourow, John R.
Lyman, Ernest M.
Lyman, Theodore
Mann, David W.
Maurer, Robert J.
McFarlan, Ronald L.
McFee, Raymond H.
McNall, John W.
Meaker, Charlotte L.
Mimno, Harry R.
Molnar, Julius P.
Moon, Parry
Morrow, Pauline H.
Morse, Philip M.
Mueller, Hans
Myers, Frank E.
Norton, C. L.
Norton, F. H.
Norton, John T.
Nottingham, Wayne B.
Oldenberg, Otto
Page, Newell C.
Park, Helen B.
Pekeris, Chaim
Petrauskas, Alexander A.
Phillips, H. B.
Pierce, George W.
Present, Richard D.
Prince, Roy W., Jr.
Purcell, Edward M.
Ramsey, Norman F., Jr.
Ridenour, Louis N.
Roberts, Arthur
Romer, Alfred
Sard, Robert D.
Saunders, F. A.
Schremp, Edward J.
Scott, George W., Jr.
Sears, Francis W.
Sherr, Rubby
Slater, John C.
Slichter, Louis B.
Solomon, A. K.
Sommers, Henry S., Jr.
Squire, Charles F.
Starr, Chauncey
Sterne, T. E.
Sterner, John
Stevenson, E. C.
Stockbarger, Donald C.
Stratton, J. A.
Street, Jabez C.
Trimmer, John D.
Trump, John G.
Tuttle, William N.
Vallarta, M. S.
Valley, George
Van Atta, L. C.
Van de Graaff, R. J.
Van Vleck, J. H.
Vogt, Harold G.
von Hippel, Arthur
Warren, Bertram E.
Weiss, P. R.
Wheatland, David P.
Wheelwright, George W., 3rd.
White, Allyn B.
Wilchinsky, Zigmond W.
Wilson, E. Bright, Jr.
Wulff, John

Chestnut Hill
Tobin, John A.

Dover
Taylor, Lucien B.

East Lynn
Blaisdell, B. Edwin

Everett
Kaye, Joseph
Riordan, Nelson F.

Harvard
Dimitroff, George Z.

Hatfield
Billings, H. Louisa

Ipswich
Kinsman, Arthur D.

Kingston
Norman, Haskell F.

Lexington
Bartlett, Russell S.

Lincoln
Preston, William M.

Lynn
Bauer, Paul S.
Pratt, Kenneth H.

Malden
Perry, Robert W.

Medford
Harrison, Jamison R.
Smith, Charles G.
Tousey, Richard

Melrose
Zabel, Rolland M.

Milton
Arenberg, David L.
Forbes, James E.

Needham
Stetson, Harlan T.

Newton Highlands
Spike, J. Edward, Jr.

North Adams
Robinson, Preston

Northampton
Anslow, Gladys A.
Bailey, Norma J.
Cann, Jessie Y.
Dickson, J. B.

Northampton con't.
Ewing, Douglas H.
Jones, A. T.
Kane, Kathleen M.
Koehler, James F.
Mohler, Nora M.
Waterman, Frank A.

Pittsfield
Byrne, J. F.
Clark, Frank M.
Dunn, Cecil G.
Flowers, J. W.
Smith, Letha A.

Plymouth
Langford, Grace

Roxbury
Hitchcock, William J.
Rubenstein, Pearl J.

Salem
Krahl, Walter L.

Somerville
Laverty, John L., Jr.

South Braintree
Saxe, Robert K.

Southbridge
Tillyer, E. D.

South Hadley
Allen, Mildred
Carr, Emma P.
Rusk, Rogers D.
Stücklen, Hildegard

South Lancaster
Woods, Robert W.

Southville
Talmey, Paul

Springfield
Palmer, E. M.

Stoneham
Kleinschmidt, R. V.

Swampscott
Lowry, E. F.

Waltham
Hutner, Reina A.

Watertown
Field, Robert F.
Lester, H. H.

Wellesley
Armstrong, Alice H.
Davis, Grace E.
Heyworth, Dorothy
Lacount, Reginald G.
McDowell, Louise S.
Wilson, Lucy

Wellesley Hills
Weeks, Paul T.

West Concord
Safford, Francis J.

Weston
Bernarda, Sister
Brock, Henry M.

Williamstown
Benfield, A. E.
Crawford, Franzo H.
Emslie, Alfred G.
Hooper, James R., Jr.
McElfresh, William E.
Milham, Willis I.
Richmond, Donald E.
Stabler, H. P.
Winch, Ralph P.

Winchester
King, Ronold W. P.

Wollaston
Bentley, Edward P.

Woods Hole
Ewing, Maurice

Worcester
Duff, A. Wilmer
Ewell, Arthur W.
Hersey, Mayo D.
Martin, Stuart T., Jr.
Masius, Morton
Meissner, Karl W.
O'Callahan, Joseph T.
Quigley, Thomas H.
Robertson, Randal M.
Roope, P. M.
Sommerman, G. M. L.
Vinti, John P.
Young, Robert T., Jr.

MICHIGAN—97

Albion
Fuller, Harold Q.
Lawler, David
Spencer, Raymond G.

Alma
Ditto, Raymond C.

Ann Arbor
Abbott, Ernest J.
Barker, Ernest F.
Bessey, Robert J.
Colby, Walter F.
Cork, James M.
Crane, H. Richard
Dennison, David M.
Dresden, Max
Duffendack, O. Stanley
Firestone, Floyd A.
Foley, Henry M.
Genevese, Frank
Goudsmit, S. A.
Grossman, Harold H.
Hinkle, John M.
Holdam, J. Vance, Jr.
Kraus, John D.
Laporte, Otto
Lindsay, George A.
Merrill, Robert A.
Meyer, Charles F.
Morris, Wilford E.
Platt, John R.
Randall, H. M.
Rich, Daniel L.
Sawyer, Ralph A.
Scott, William T.
Sleator, William W.
Smith, Arthur W.
Smith, Gail P.
Stehle, Philip M.
Tatel, Howard
Thomassen, Lars
Uhlenbeck, George E.
Vincent, H. B.
Williams, Neil H.

Berrien Springs
Thompson, Julian L.

Dearborn
Caris, D.F.

Detroit
Ambrosia, Sister M.
Babcock, Frederick A.
Baker, Edward B.
Beeman, W. W.
Brewington, G. P.
Cornish, Don
Corrigan, K. E.
Fry, Arthur S.
Gemant, Andrew
Hoyt, Howard C.
Hulswit, W. H., Jr.
Hunt, John H.
Kavanau, J. Lee
Kettering, Charles F.
Martin, Edward J.
Morscher, Lawrence N., Jr.
Nusbaum, Ralph E.
Phelps, Everett R.
Poetker, Albert H.
Rassweiler, G. M.
Shesterkin, Alex

Detroit con't.
Sproull, Wayne T.
Ward, Herbert K.
Yost, F. L.

East Lansing
Bennett, Grant S.
Bleil, David F.
Chamberlain, Clark W.
Chapman, C. W.
Clark, John C.
Ewing, Dwight T.
Hause, Clarence D.
Keck, William G.
McGrath, James W.
Morrison, S. Elisabeth

Ferndale
Sargent, W. E.
Spees, Adam H.

Flint
Smith, Robert W.

Grand Rapids
Warren, Kenneth L.

Hillsdale
Penrod, E. B.

Houghton
Oswald, Albert G.
Partlo, Fay L.
Service, Jerry H.

Kalamazoo
Hornbeck, John W.
Marburger, Walter G.
Maxwell, Howard N.
Rood, Paul

Midland
Gildart, Lee W.
Grebe, John J.
Hanawalt, Joseph D.
Matheson, Lorne A.
McDonald, John C.
Saunderson, Jason L.
Wright, Norman

Pleasant Ridge
Perkins, Wallace W.

MINNESOTA—67

Collegeville
Tekippe, Owen L.

Duluth
Campbell, Edward C.
Cutrona, Louis J.

Mankato
Wissink, Gerrit M.

Minneapolis
Bardeen, John
Bergeson, E. Irving
Borchardt, Lester F.
Buchta, J. W.
Clark, Harold E.
Cohen, Arnold A.
Culmer, William J.
Erikson, Henry A.
Hanscome, Thomas D.
Heller, Wilfried
Heminway, Allan
Heminway, Gayle
Hill, Edward L.
Hull, Donald E.
Irish, Gene
Jackson, Dunham
Jensen, Arnold A.
Kliever, Waldo H.
Lampi, Eugene E.
Lind, Samuel C.
Lu, Hoff
Marvin, James F.
Miller, Louallen F.
Murphey, Byron F.
Nier, Alfred O.
Nuckolls, Richard G.
Perlow, Gilbert J.
Reyerson, Lloyd H.
Roe, Glenn M.
Rumbaugh, Lynn H.
Schmitt, Otto H.
Shawhan, E. Neil
Stenstrom, Wilhelm
Stier, Louis G.
Tate, John T.
Thompson, Robert W.
Valasek, Joseph
Vaughn, Alfred L.
Webb, James S.
Wetzel, W. W.
Wilcox, Hugh B.
Williams, John H.
Zeleny, Anthony

Moorhead
Lee, Konrad O.
Parsons, Karl A.

Northfield
Fossum, Peter E.
Hetle, Erik
Leidal, Floyd

Robbinsdale
Hartig, Henry E.

Rochester
Baldes, E. J.
Herrick, Julia F.
Williams, Marvin M. D.

St. Cloud
Engstrom, Ralph W.

St. Joseph
Werth, Sister Magna

St. Paul
Hustrulid, Andrew
Landshoff, Rolf
Madigan, John A.
Overn, O. B.
Wilson, John L.

St. Peter
Rodine, Milward T.

Wayzata
Brueske, George A.

Wheaton
Downey, K. Melvina

Winona
Schauls, Sister M. R.

MISSISSIPPI—6

Oxford
Gladden, Sanford C.

State College
Kinkaid, Walker

University
Hodge, Mary W.
Kennon, William L.
Lewis, Arthur B.

Vicksburg
Perret, William R.

MISSOURI—50

Canton
Boydston, R. W.

Cape Girardeau
Harty, John H.

Columbia
Bent, Henry E.
Dufford, R. T.
Ells, Victor R.
Gamertsfelder, Carl C., Jr.

Columbia con't.
Gingrich, Newell S.
Gregg, Robert Q.
Hammond, H. E.
Herring, Conyers
Powers, Philip N.
Reese, Herbert M.
Stewart, O. M.
Uber, Fred M.

Fayette
Abernathy, Lewis

Kansas City
Froebes, Philip W.
Hoecker, Frank E.

Kirksville
Trimble, Frank H.

Liberty
Davis, John E.
Landen, Ernest W.

Maryville
Hake, Joseph W.

Rolla
Jensen, William J.
Ratliff, R. T.
Thomas, C. Delmar
Woodman, L. E.

St. Charles
Karr, Lois

St. Louis
Baltzer, Otto J.
DeFoe, Ona K.
Hagenow, Charles F.
Hughes, Arthur L.
Jauncey, George E. M.
Kernaghan, Madame Marie
Kostko, J. K.
Langsdorf, Alexander, Jr.
Lawther, Harry P., Jr.
Lemmon, Vernon W.
Luyet, Basile J.
Macelwane, James B.
Mann, Ralph W.
Miller, Bertrand J.
Poindexter, Franklin E.
Rouse, Arthur G.
Shannon, James I.
Thornton, R. L.
Varney, Robert N.
Weber, Alfred H.
Whitney, John D.
Zimmerman, Lester I.

Springfield
Whitney, Lester V.

Warrensburg
Morris, Wilson C.

MONTANA—7

Bozeman
Johnson, Arthur J. M.
Kelly, Harry C.

Butte
Shue, George L.

Helena
Little, Edward M.

Missoula
Jeppesen, C. Rulon
Shallenberger, Garvin D.

Polytechnic
Higgins, George C.

NEBRASKA—15

Chadron
Philpott, Charles W.

Crete
Johnson, A. L., Jr.
Wightman, E. Russell

Fremont
Gilbertson, H. C.

Lincoln
Almy, John
Baragar, Arnold E.
Jensen, J. C.
Jorgensen, Theodore, Jr.
Marvin, H. H.
Schilling, Harold K.
Smith, T. Townsend
Spencer, Roy C.

Omaha
Hayden, Charles K.
Warren, Dana T.

Wayne
Brock, James E.

NEVADA—2

Reno
Batdorf, Samuel B.
Hartman, L. W.

NEW HAMPSHIRE—16

Concord
Sears, Frederick E.

Durham
Hall, Harry H.
Hartmann, G. K.
Howes, Horace L.

Exeter
Little, E. P.
Longacre, Andrew

Hanover
Campbell, C. J.
Gilbert, Norman E.
Henderson, Malcolm C.
Hull, Gordon F.
Meservey, Arthur B.
Murch, Leslie F.
Proctor, Charles A.
Rayton, Willis M.
Tanch, Joseph W.

Manchester
Steinmetz, Francis J.

NEW JERSEY—220

Allwood Clifton
Marshall, Donald E.

Alpine
Burnett, J. C.

Atlantic City
Homan, John G.

Atlantic Highlands
Mohr, Franklin

Bloomfield
Beese, Norman C.
Bell, M. E.
Ehrke, Louis F.
Findlay, John H.
Hazen, Thomas
Herman, Alva L.
Knowles, Dewey D.
Kusch, P.
Lempert, Joseph
Nelson, Herbert
Slack, Charles M.
Weith, Archie J.
Zinzow, William A.

Boonton
Ballantine, Stuart
Drake, Frederick H.
Foster, Donald
Hull, Lewis M.

Bound Brook
Douglas, Edward B.

Caldwell
McCurdy, William
Taylor, T. Smith

Camden
Epstein, David W.
Hershberger, W. D.
Linder, Ernest G.
Luck, David G. C.
Olson, Harry F.
Ritter, E. W.
Ruedy, John E.
Wolff, Irving
Zworykin, Vladimir K.

Cedar Grove
Goldsmith, Thomas T., Jr.
Shrader, Ross E.

Chatham
Bell, Dorothea L.
Cope, Joseph H.
Williams, Howell J.

Clifton
Dobson, George
Fenner, Clarence N.

Collingswood
Donley, Hugh L.
Kozanowski, Henry N.
Marton, L.

Deal
Schelleng, John C.
Sowers, Nelson E.

Dover
Givens, John W.

Dumont
Alter, Bruno E. K., Jr.

East Orange
Hogg, John L.
Macalpine, William W.
Rentschler, Harvey C.

Elizabeth
Brown, Delbert F.
White, John U.

Essex Fells
Olmstead, Paul S.

Glassboro
Snyder, Richard L., Jr.

Glen Ridge
Brainin, Clement S.

Grasselli
Lambert, Joseph M.

Haddon Heights
Morton, George A.

Harrison
Bahls, W. E.
DeVore, Henry B.
Donal, John S., Jr.
Glover, Alan M.
Haller, Cecil E.
Headrick, Lewis B.
Langmuir, David B.
Law, Russell R.
Malter, Louis
Nergaard, Leon S.
North, Dwight O.
Power, Archie D.
Shaw, George R.
Thompson, B. J.
Ulrey, Dayton L.

Hoboken
Hawkes, John B.
Hazeltine, Alan
Reines, Frederick
Schneider, Edwin G.
Stempel, W. M.

Holmdel
Englund, Carl R.

Jersey City
Ireland, Clarence E.

Kearny
Lack, Frederick R.
Miller, Donald S.
Sosman, Robert B.

Lambertville
Fireman, Peter

Leonia
Frische, Carl A.
Karapetoff, Vladimir
Morse, Leighton B.

Long Branch
Gorham, John E.
Rouse, Glenn F.
Witting, Edward G.
Zahl, Harold A.

Madison
Harrington, Marshall C.
Maxfield, Joseph P.
Morrison, Louis A.

Mahwah
Grisewood, Edgar N.

Maplewood
McNally, James O.
Pidgeon, Howard A.

Medford Lakes
Baker, Judd O.

Millburn
Merrill, Frederic D., Jr.
Miessner, Benjamin F.
Nyquist, Harry

Milltown
Helz, Armin W.

Millville
Widmaier, William

Montclair
Baker, Carl I.
Downing, Richard E.
Glenn, Earl R.
Irion, Clarence E.
Mouromtseff, I. E.

Moorestown
Ramberg, Edward G.

Morristown
Hull, Gordon F., Jr.

Mountain Lakes
Noyes, Atherton, Jr.
Shewhart, W. A.

Newark
Entwisle, Franklin N.
Freehafer, John E.
Goodwin, W. N., Jr.
Porter, Bernard, H.
Stauss, Henry E.

New Brunswick
Fuson, Nelson
Greenlees, A. Lloyd
Jackson, Wilfrid J.
Miller, Franklin, Jr.
Moyer, James W.
Oberly, John J.
Pratt, Frank R.
Richards, S. J.
Van Horn, Katherine M.
Winchester, George

Ocean City
Bramley, Arthur

Oceanport
Anderson, S. Herbert
Hamsher, Donald H.

Orange
Colpitts, Edwin H.
Daniel, Arthur F.
Shackelford, B. E.

Parlin
Meschter, Emery
Walker, Marshall
White, Deane R.

Passaic
Crost, Munsey E.
Gibbons, Willis A.
Grabbe, Eugene M.
Mooney, Melvin
Murray, L. A., Jr.
Villars, D. S.

Perth Amboy
Zagor, Herbert I.

Plainfield
Shurcliff, William A.

Princeton
Adams, Edwin P.
Bargmann, Valentin
Barry, J. Griffiths
Beach, John Y.
Bergmann, Peter G.
Beth, Richard A.
Bleakney, Walker
Brown, William F., Jr.
Cooke, Hereward L.
Corben, Herbert C.
Critchfield, Charles L.
Delsasso, L. A.
Downsbrough, G. A.
Einstein, Albert
Eisenbud, Leonard
Feynman, Richard
Kamm, Robert L.
Keuffel, J. Warren
Ladenburg, R.
Magie, William F.
Mariner, Thomas
Muto, Toshinosuke
Nichols, Myron H.
Pauli, Wolfgang
Robertson, Howard P.
Russell, H. N.
Shenstone, Allen G.
Smith, L. G.
Smoluchowski, Roman
Smyth, Charles P.
Smyth, Henry D.
Snyder, Thomas M.
Stewart, John Q.
Taub, A. H.
Taylor, Hugh S.
Turner, Louis A.
Van Voorhis, Cletus C.
Veblen, Oswald
Vivell, A. E.
von Neumann, John
Walter, John E.
Wells, Philip V.
Wheeler, John A.
White, Milton G.
Wigner, E.
Williams, J. D.
Willis, Clodius H.
Wilson, Robert R.
Woodward, William M.

Red Bank
Bowen, Arnold E.
Southworth, G. C.
Sutherlin, Lee
Tyrrell, Warren A.

Ridgewood
Moffitt, G. W.
Tschudi, Erwin W.

Scotch Plains
Smith, Philip T.

South Orange
Bond, Walter L.
Leverenz, H. W.
Miller, Henry J.
Stanwick, Charles A.
Weeks, John R.
Winninghoff, W. J.

Stelton
Porter, David D.

Summit
Day, Wm. Scofield
Dodd, Dorothy M.
Heising, Raymond A.
Hunt, Franklin L.
Rockwood, G. H., Jr.
Shepherd, William G.
Snook, H. Clyde

Tenafly
Callihan, Dixon
Randall, Robert H.
Wolfe, Hugh C.

Upper Montclair
Arnott, E. G. F.
Arnott, Janet M.
Campbell, G. A.
Chesnut, Roy W.

Washington
Cheney, E. W.
Schlink, F. J.

West End
Golay, Marcel J. E.

Westfield
Becker, A. E.
Gray, Arthur W.
Read, Harry S.
Rossbacher, H.
Schnable, George L.

West Orange
Flanders, Paul B.
Siegmund, H. O.

NEW MEXICO—6

Albuquerque
Holzer, Robert E.
Hume, William, II
Workman, E. J.

Roswell
Goddard, Robert H.

State College
Gardiner, George W., Jr.
Goss, Wilbur H.

NEW YORK—658

Albany
Andrews, C. Luther
Hale, C. F.
Power, C. E.

Alfred
Alty, Raymond L.
Goble, Alfred T.
Potter, Clifford M.

Annandale-on-Hudson
Garrett, Paul H.

Ardsley
Brown, M. Vertner

Aurora
Gaehr, Paul F.

Beacon
Coleman, F. F.
McIlwraith, Charles G.

Beechhurst
Hergenrother, Rudolf C.

Bellrose
Mertz, Pierre

Brooklyn
Ashkin, Julius
Berger, Rose
Borowitz, Sidney
Clo, J. H.
Cork, Bruce B.
Cornfield, Nathan J.
Davis, Henry M.
d'Eustachio, Dominic
Dillon, Vincent
Duncan, James A.
Durand, Milo A.
Ellickson, Raymond
Eytinge, Bruce D.
Fairchild, Charles O.
Fenn, Irwin H.

Brooklyn con't.
Fraim, Parke B.
Fried, Karl H.
Garth, Robert C.
Gorrill, Sterling
Green, Edward H.
Greibach, Emil H.
Hamermesh, Morton
Hanwick, Theodore J.
Harris, Lawrence
Hausmann, Erich
Hudes, Isidore
Hull, Harvard L.
Larsen, Thorstein
Lees, Sidney
Lowan, Arnold N.
Mais, Walter H.
Marshall, Rebecca F.
McGoldrick, R. T.
Mock, Frank C.
Morgan, Robert B.
Murray, Robert T. K.
O'Neil, Thomas J. W.
Parsegian, V. Lawrence
Rosenthal, Jenny E.
Schwebel, Solomon
Skinker, Murray F.
Slawsky, Milton M.
Slawsky, Zaka I.
Stern, Alexander W.
Tapley, Georgia A.
Tate, George E.
Tawney, Gereld L.
Thompson, C. S.
Thompson, J. E.
Titone, Luke V.
Walchuk Vera A.
Weber, Ernst
Weinrich, M. F.
Wiedeman, Gustave
Willis, H. Hugh
Woodbridge, Donald B.
Wrigley, Walter

Buffalo
Bennett, Alva H.
Burton, Allan L., Jr.
Cutting, Fulton
Geib, Irving G.
Hector, L. Grant
Hoffman, J. G.
Hutchinson, Charles L.
Jones, R. N.
Kolkmeyer, Emeran J.
McTigue, Austin C.
Moore, Edward J.
Olmsted, Charles M.
Silverman, Shirleigh
Stephenson, Bird R.

Canton
Smith, John F.

Clinton
Cameron, G. Harvey
Nile, Stephen W.

Cold Spring Harbor
Fano, Ugo
Fricke, Hugo

Corning
Adams, Robert J.
Cartwright, C. Hawley
DeVoe, Charles F.
Erickson, A. Alfred
Guyer, Edwin M.
Kiehl, Harry R.
Littleton, Jesse T.
Lukens, Charles
McCauley, George V.
Speh, Karl C.
Wright, Rufus W.

Douglaston
Aikman, E. P.

Elmhurst
Kuethe, Arnold M.

Fishkill
Roess, Louis C.

Flushing
Hoffmann, B.
Jones, Warren C.
Kirkpatrick, D. Everette
Primakoff, Henry
Swenson, Hugo N.

Garden City
Bergen, Catharine M.
Cooke, William T.
David, John A.
Haxby, Robert O.
Peoples, James A., Jr.
Woodyard, J. R.

Geneva
Bancroft, George H.
Haussmann, Alfred C.

Great Neck
Lewis, Harold M.

Hamilton
Berkey, Donald K.
Gleason, Paul R.
Henshaw, Clement L.
Pearsall, Anna W.

Hastings-on-Hudson
Greenfield, Eugene W.
Schneider, Walter A.

Hempstead
Burnham, George H.
Schmidt, J. Monroe

Ithaca
Bacher, Robert F.
Baker, Charles P.
Baldock, Russell
Bancroft, Wilder D.
Barnes, LeRoy L.
Bethe, Hans A.
Cady, Willoughby M.
Collins, J. R.
Connelly, Clarence M.
Cuykendall, Trevor R.
Debye, Peter J. W.
Engelmann, Herbert F.
Fogelsanger, Aldus
Gartlein, Carl W.
Gibbs, R. Clifton
Grantham, G. E.
Greisen, Kenneth
Higinbotham, W. A.
Hoard, James L.
Holloway, Marshall G.
Howe, Harley
Jones, Merton W.
Jossem, E. Leonard
Kennard, Earle H.
Kirkwood, John G.
Long, Franklin A.
Ludloff, Johann F.
McDaniel, Boyce D.
Merritt, Ernest
Monroe, Elizabeth
Murdock, Carleton C.
Newhall, H. F.
Parker, Hermon M.
Parkins, William E.
Parratt, Lyman G.
Placzek, George
Platt, Joseph B.
Rhodes, René G.
Rossi, Bruno
Sack, Henri S.
Shaw, R. William
Smith, Lloyd P.
Sproull, Robert L.
Tape, Gerald F.
Tomboulian, D. H.
Trischka, John W.

Jackson Heights
Hickman, C. N.
Nicholas, Warren W.

Lake Placid Club
Bray, Edmund C.

Little Neck
McKee, Lefler H.

Long Island City
Hicks, Victor
Horvath, William J.
Killian, Thomas J.
Tear, James D.
Valente, Frank A.

Loudonville
Nickol, John P.

Mineola
Olshevsky, D. E.

Montrose
Thorndike, Edward M.

Mount Vernon
Engl, J. B.
Wetzel, R. A.

New Rochelle
Bacon, Ralph H.
Carroll, Thomas J.

New York City
Abramson, Harold A.
Adler, Felix
Ahearn, Arthur J.
Anderson, A. Eugene
Anderson, Herbert L.
Anderson, Warren F.
Avrami, Melvin
Ayres, Waldemar
Baker, H. Dean
Baker, Richard F.
Balamuth, Lewis
Ball, Albert
Barnes, Arthur H.
Barnes, Ralph H.
Bartlett, J. H., Jr.
Barton, Henry A.
Becker, Joseph A.
Beers, Yardley
Beller, William C.
Benedict, William S.
Binns, J. E.
Black, K. Charlton
Blackwell, Otto B.
Boch, Alfred
Bock, Charles D.
Boeker, Gilbert F.
Boggs, Emily E.
Bollman, John H.
Boorse, Henry A.
Booth, Eugene T.
Bozorth, Richard M.
Braestrup, C. B.
Brattain, Walter H.
Bright, William C.
Bromberg, Eleazer
Bronk, Detlev W.
Buckley, Oliver E.
Bucky, Philip B.
Buggeln, Gertrude E.
Burton, Joseph A.
Calbick, Chester J.
Callan, Anna M.
Carroll, Henry
Carter, C. W., Jr.
Chapin, D. M.
Chase, Carl T.
Chodorow, Marvin
Christensen, Carl J.
Christensen, H.
Chylinski, S.
Cioffi, Paul P.
Clark, J. W.
Clarke, Eric T.
Cohen, Karl
Cole, Kenneth S.
Collins, T. R. D.
Cooper, Franklin S.
Corcoran, Charles A.
Cortell, Robert
Cox, Richard T.
Crenshaw, Craig M.
Crew, William H.
Darrow, Karl K.
Davidson, Ward F.
Davies, Philip W.
Davis, Bergen
Davis, Leverett, Jr.
Davisson, C. J.
Demarest, Charles S.
DeMonte, Robert W.
Denmark, H. S.
Dewey, Jane M.
Doerman, Frederick W.
Dunn, H. K.
Dunning, John R.
Eglin, James M.
Eldred, Byron E.
Ellis, Cecil B.
Ellwood, Walter B.
Elmendorf, Charles
Emin, Irving
Evans, Samuel H.
Exner, Frank M.
Failla, G.
Farrand, Clair L.
Farwell, Hermon W.
Feenberg, E.
Ferguson, W. F. C.
Fermi, Enrico
Finck, J. L.
Fisk, J. B.
Fletcher, Harvey
Folsom, Theodore R.
Foote, Frank G.
Frederick, H. A.
Fry, Thornton C.
Galt, Rogers H.
Germer, L. H.
Gilbert, John J.
Glasoe, G. Norris
Glassner, Alvin
Goldberg, Bernard
Goldsmith, Alfred N.
Goldsmith, Hyman H.
Goldstein, Herbert
Golovin, Nicholas
Gorton, William S.
Goucher, Frederick S.
Granath, Louis P.
Gray, Frank
Gray, Newton M.
Green, Charles B.
Grisdale, Richard O.
Haggstrom, Edith
Hagstrum, Homer D.
Hall, Harvey
Halpern, Otto
Hardy, James D.
Hardy, Truly C.
Hartley, Ralph V. L.
Hartman, Charles D.
Haskins, Caryl P.
Havens, William W., Jr.
Haworth, Francis E.
Hayner, Lucy J.
Haynes, J. Richards
Hepburn, Ann B.
Herget, Carl M.
Herrington, Harold W.
Hervey, John P.
Hess, Victor
Hett, John H.
Hight, Stuart C.
Hilberry, Norman
Holstein, Theodore D.
Horton, A. W., Jr.
Hughes, Harold K.
Huppert, William
Hurley, William P.
Ingram, Sydney B.
Iskenderian, Haig
Ives, Herbert E.
Jaycox, Edwin K.
Jewett, Frank B.
Joffe, Joseph
Johnson, J. B.
Johnson, M. H., Jr.
Johnsrud, Alfred L.
Johnston, Helen
Jones, Philip C.
Jones, Reginald L.
Kane, Brother Gabriel
Karelitz, George B.
Keller, Arthur C.
Keller, Geoffrey
Kellogg, J. M. B.
Kelly, M. J.
Kelsall, G. A.
Kendall, Burton W.
Kimball, George E.
King, Robert W.
Kingsbury, Burton A.
Kingsbury, Edwin F.
Kolin, Alexander
Kurrelmeyer, Bernhard
Lamb, Willis E., Jr.
Legg, Victor E.
Liebowitz, Benjamin
Llewellyn, Frederick B.
Long, Maurice B.
Lowen, Irving S.
Lynch, J. Joseph
Lynch, William A.
Lynde, Carleton J.
MacColl, L. A.
MacInnes, Duncan A.
MacKenzie, Donald
MacNair, Walter A.
Mann, Hubert
Mannes, Leopold D.
Manning, Henry P.
Marcus, Alexander
Marinelli, L. D.
Marrison, Warren A.
Marx, Rose S.
Mason, Warren P.
Mathes, Robert C.
Mayer, Maria G.
Mendenhall, H. E.
Merica, Paul D.
Meservey, Edward B.

New York City con't.
Messenger, Helen A.
Millar, Preston S.
Millman, Jacob
Millman, Sidney
Mills, John
Mindlin, Raymond D.
Mintz, Esther U.
Mitchell, Dana P.
Mitchell, M. M.
Mitchell, Paul C.
Moore, Dan H.
Moore, George E.
Morrissey, Robert B.
Motz, Lloyd
Murphy, Edward J.
Nafe, John E.
Nelson, Edward B.
Newby, Neal D.
Newman, Marcel K.
Nickerson, John L.
Nicolson, Alexander M.
Nix, Foster C.
Nordsieck, Arnold
Norton, E. L.
Null, Fay E.
O'Leary, Austin J.
Osborne, Harold S.
Otis, Herbert N.
Owens, C. Dale
Parker, Allan E.
Parker, Carlyle V.
Parkinson, David B.
Parr, Harry L.
Parsons, R. V.
Paxton, Hugh C.
Pearson, Gerald L.
Pegram, George B.
Perrine, J. O.
Peterson, Eugene
Petty, Gerald M.
Phillips, Melba
Pierce, John R.
Piore, E. R.
Planiol, René
Polin, Herbert S.
Pope, Thomas J.
Prescott, C. H., Jr.
Quarles, D. A.
Quimby, Edith H.
Quimby, Shirley L.
Rabi, I. I.
Ragosine, Victor
Rainwater, James
Read, Donald N.
Reber, Rufus K.
Renzetti, Nicholas A.
Reynolds, Frederick W.
Riesz, Robert R.
Rohrbaugh, John H.
Roller, Duane
Romig, Harry G.
Rose, Fred C.
Rose, John L.
Rosenberg, Paul
Ryder, Robert M.
Salant, Edward O.
Salmons, George B.
Samuel, Arthur L.
Scheib, Richard, Jr.
Schlenker, Vesper A.
Schwarzschild, Myron M.
Schwinger, Julian
Sears, Raymond W.
Semat, Henry
Serin, Bernard
Severinghaus, Frances O.
Severinghaus, W. L.
Shackleton, S. Paul
Shea, John D.
Shive, John N.
Shockley, William
Shore, Henry
Shull, Clifford G.
Simpson, John A., Jr.
Sinclair, David
Sivian, L. J.
Skarstrom, C.
Skellett, A. M.
Sonkin, Simon
Stacy, Leland J.
Steffens, Carsten C.
Steinberg, John C.
Stone, C. G., Jr.
Strohmeyer, Lawrence J.
Stucky, Joseph B., Jr.
Sykes, Roger A.
Szilard, Leo
Taylor, E. Gordon
Thiessen, George J.
Townes, Charles H.
Townsend, Agnes
Treleaven, Clifford L.
Trueblood, Howard M.
Turner, Alva
Urey, Harold C.
van der Merwe, Carel W.
Van Nuys, Claude C.
von Nardroff, Robert
Webb, Harold W.
Wegel, Raymond L.
Wehe, Herman G.
Weil, George L.
Weinhart, Howard
Wente, E. C.
West, William
Whitaker, M. D.
White, Samuel D.
Willard, Gerald W.
Williams, Horatio B.
Wills, Lawrence A.
Wilson, James R.
Wilson, William
Woodcock, Wilson W.
Woodmansee, Buryl S.
Wooldridge, Dean E.
Young, Victor J.
Zacharias, Jerrold R.
Zahl, Paul A.
Zaret, Matthew
Zemansky, Mark W.
Zinn, Walter H.
Zobel, Otto J.

Niagara Falls
Koppius, Otto G.
Pattin, Howard S.

Niagara University
Banks, George B.
Glahe, Harold C.

Palisades
Cooley, J. P.

Pearl River
Wyckoff, Ralph W. G.

Potsdam
Bair, W. H.

Poughkeepsie
Carter, Edna
Flowers, A. E.
Healea, Monica
Northrop, Paul A.
Wheeler, Mary A.
Wick, Frances G.

Queens Village
Beyer, Harold G.

Riverdale
Williams, Clarke

Riverhead
Katzin, Martin

Rochester
Apker, LeRoy W.
Bailey, William J., Jr.
Barnes, S. W.
Blair, Henry A.
Bryan, Arthur L.
Burroughs, Robert E.
Chesna, John
Clark, Herbert A.
Clark, Janet H.
Cornell, Samuel D.
Courant, Ernest D.
Crawford, Dean P.
Dearnley, Irvine H.
Dessauer, Gerhard
Dicke, Robert H.
Duncan, A. B. F.
duPont, Clarence A.
Fairbanks, Floyd C.
French, Hobert W., Jr.
Gross, Wilbur E.
Hafner, Everett M.
Horsfall, R. Bruce, Jr.
Hubbard, Karl H.
Huggins, Maurice L.
James, T. H.
Jones, Loyd A.
Kornfeld, Gertrude
Kuerti, Gustav
Lawrence, Henry E.
MacNeille, Stephen M.

Rochester con't.
Marshak, R.
Marshall, John, Jr.
McCreary, Ralph L.
McLeod, John H.
Mees, C. E. K.
Nichols, Nathaniel B.
Noyes, Bradford
Noyes, W. A., Jr.
O'Brien, Brian
Olson, Harold T.
Ott, Howard F.
Oxley, Charles L.
Paine, George R.
Paul, Fred W.
Perry, Joseph E., Jr.
Pestrecov, K.
Polster, Harry DeL.
Sabine, George B.
St. Helens, Hervey J.
Seemann, Herman E.
Steadman, Luville T.
Stone, Guy A.
Turner, A. Francis
Van Voorhis, S. N.
Webb, J. H.
Weisskopf, V. F.
Wilsey, Rex B.

Rockville Center
Bassett, Preston R.

St. Albans
Hollenberg, Arthur V.

St. Bonaventure
Sullivan, Francis J.

Saratoga Springs
Hobbie, J. R.

Scarsdale
Weaver, Warren

Sea Cliff
Hoadley, George B.

Schenectady
Bailey, F. M.
Blewett, John P.
Blodgett, Katharine
Charlton, Ernest E.
Coolidge, William D.
Dushman, Saul
Elder, Frank R.
Fonda, Gorton R.
Found, Clifton G.
Grover, Frederick W.
Hewlett, Clarence W.
Hull, Albert W.
Johnson, R. P.
Kerst, Donald W.
Kimball, Arthur L.
Kingdon, Kenneth H.
Koller, Lewis R.
Langmuir, Irving
Lawton, Elliott
Manning, Ellis L.
Pollock, Herbert C.
Race, Hubert H.
Rice, Chester W.
Rojansky, V.
Smith, James J.
Strain, Charles V.
Studer, Frank J.
Suits, Chauncey G.
Tanis, Hubert E., Jr.
Taylor, John B.
Thatcher, Everett W.
Tonks, Lewi
Whitney, Willis R.
Wold, P. I.

Scotia
Hahn, William C.

Staten Island
Lindemann, Howard C.
Welo, Edna M.
Welo, Lars A.

Syracuse
Brightman, Charles L.
Davis, Kenneth E.
Fredrickson, W. R.
Graham, John R., Jr.
Porter, R. A.
Randall, D. P.
Whitmarsh, David C., Jr.
Yost, W. Jacque

Troy
Bartunek, Paul F.
Carragan, G. Howard
Cowan, Frederick P.
Fleming, Gertrude
Grover, Howard J.
King, Allen
Moore, K. H.
Patterson, Robert A.
Street, Robert E.
Sullivan, Harris M.
Wilbur, Donald A.
Woodson, Robert A.

Tuckahoe
Sheldon, H. H.

Tuxedo Park
Hobart, Garret A., 3rd
Loomis, Alfred L.

Watertown
Sillcox, Lewis K.

West Hempstead
Varian, Russell H.

White Plains
Sharp, Clayton H.

Williamsville
Brattin, Jean H.

Yonkers
Murphy, Edgar J.

NORTH CAROLINA—44

Asheville
Mann, E. Ray

Black Mountain
Dreier, Theodore
Rosen, Nathan

Chapel Hill
Blickman, Joseph H.
Bost, Ralph W.
Fussler, Karl H.
Lyddane, Russell H.
Menius, Arthur C., Jr.
Plyler, Earle K.
Rice, Oscar K.
Ruark, Arthur E.
Ruark, Grace H.
Shearin, Paul E.
Stuhlman, Otto, Jr.

Durham
Carpenter, David W.
Constant, F. Woodbridge
Edwards, Charles W.
Faires, Robert E.
Graves, Robert W.
Gross, Paul M.
Hall, Maurice B.
Hatley, Charles C.
Hebb, Malcolm H.
London, Fritz W.
Morgan, J. E.
Mouzon, J. C.
Nielsen, Walter M.
Nordheim, L. W.
Ryerson, Clifford M.
Sharp, D. Gordon
Sponer, Hertha

Greensboro
Thaxton, Hubert M.
Tiedeman, John A.
Warfield, Calvin N.

Guilford College
Purdom, Emil G.

Hickory
Morgan, Karl Z.

Paw Creek
Elting, John P.

Raleigh
Bessey, William H.
Derieux, John B.
Hopkins, John I.

Rocky Mount
Hornbeck, George A.

Salisbury
Braun, Milton L.

Wake Forest
Githens, Sherwood, Jr.
Speas, William E.

NORTH DAKOTA—3

Fargo
Payne, William T.

Grand Forks
Byers, Cecil W.

Jamestown
Mutch, W. W.

OHIO—198

Akron
Blaker, Ernest
Busse, Warren F.
Davidson, William L., Jr.
Davies, John M.
Dillon, J. H.
Fouts, Omer R.
Gehman, Samuel D.
Hanson, Elmo E.
Harrington, Robert A.
Householder, Fred F.
Kime, Joseph M.
Liska, John W.
Loughborough, Dwight L.
Sears, William C.
Smith, Jack C.
Stambaugh, R. B.
Street, John N.
Wakelin, James H., Jr.
Woodford, Dexter E.

Alliance
Shollenberger, Forest

Ashland
Taylor, Paul K.

Athens
Bundy, Francis P.
Edwards, John E.
McClure, Oscar E.
Roseberry, H. Hewell
Walters, Francis M., 3rd

Berea
Unnewehr, E. C.

Chillicothe
Griesheimer, Rudolph N.

Cincinnati
Alexander, L. M.
Allen, Samuel J. M.
Dwight, Charles H.
Flarsheim, E. S.
Gowdy, Robert C.
Horvay, Gabriel
Kersten, Harold J.
Kock, Winston E.
Lehnhoff, Raymond G.
Loring, Albert D.
Ludeke, Carl A.
Podolsky, Boris
Schmieder, Lawrence R.
Soller, Walter
Sperti, George S.

Cleveland
Adams, Elliot Q.
Albright, John G.
Barnes, B. T.
Beutel, Phillip R.
Bowditch, F. T.
Craig, Palmer H.
Crehore, Albert C.
Crittenden, Eugene C., Jr.
Curtis, C. W.
Davis, Gordon A.
Easley, Adelaide
Erf, Herbert A.
Evans, Marvin
Forsythe, William E.
Franks, Clifford V.
Fraser, Lorence W.
Glasser, Otto
Green, Harold D.
Hinman, Donald D.
Hodgman, Charles D.
Jeffries, Zay
Jones, Shannon
Kenty, Carl
Luckiesh, M.
McCarthy, John T.
Miller, Dayton C.
Morgan, H. E.
Mountcastle, Harry W.
Nusbaum, C.
Olsen, Leonard O.
Poppy, Willard J.
Poritsky, Abraham
Sawyer, Charles B.
Shankland, Robert S
Shrader, Erwin F.
Spencer, Charles D.
Thomson, K. B.
Van Horn, Irving H.
Victoreen, John
Vollmayer, Leo J.
Wallace, Clarence W.
Wells, Milo
Wiggers, C. J.
Winsor, Lauriston P.

Cleveland Heights
Jaffe, Hans R.
Klein, Gilbert E.

Columbus
Blake, F. C.
Charles, George W.
DeWire, John W.
Ellsworth, Louis D.
Fried, Bernard
Gaerttner, Erwin R.
Gillett, Horace W.
Green, Jerome B.
Harris, Preston M.
Heil, H. G.
Hesthal, C. E.
Jackson, Lloyd R.
Johnston, Herrick L.
Jorgensen, Wilhelm
Knauss, Harold P.
Landé, Alfred
Law, Harold B.
Lucks, Charles F.
MacDonald, D. C.
Mack, Edward, Jr.
MacWood, George E.
Maier, Martin S.
More, Kenneth R.
Nelson, Harold R.
Nelson, Martin E.
Nielsen, H. H.
Olpin, A. R.
Pool, M. L.
Russell, H. W.
Schwarz, W. M.
Scott, Elmer J.
Shaffer, Wave H.
Shipman, Waldo
Shortley, George H.
Silver, Samuel
Smith, Alpheus W.
Smith, Alva W.
Thomas, Llewellyn H.
Tindal, Charles H.
Weimer, Paul K.
Zumstein, R. V.

Cuyahoga Falls
Cunningham, Edward N.
Field, James E.
Larrick, L.
Lessig, E. T.
Prettyman, Irven B.
Schultz, Harvey A.

Dayton
Burka, Samuel M.
Eichelberger, J. F.
Gard, Orin P.

Dayton con't.
Kerns, David M.
Koch, Wendell R.
Pockman, Leonard
Schaffert, Roland

Delaware
Woodbury, D. A.

East Cleveland
Hurlburt, Everett H.
Winkel, Edwin F.

Euclid
Gregg, Earle C., Jr.

Findlay
Roots, Yale K.

Fostoria
Jones, Creighton C.
Jones, Matthew T.
Lozier, W. Wallace
Zaffarano, Daniel J.

Gambier
Johnson, Elbe H.
Powell, Wilson M.

Granville
Smith, Leon E.

Hamilton
Foster, Mark G.
Munro, George C.
Murray, Allen E.
Taylor, William P.

Hiram
Dooley, Donald
Pritchard, Howard A.

Kent
Coven, Allen W.
Lefler, Glenn Q.

Lakewood
Allaman, Haidee H.
Clash, Richard F., Jr.
Gage, Duncan M.
MacPherson, H. G.
Park, Robert D.

Marietta
Hay, O. L.
Phillips, Thomas D.

Newark
Bennett, Willard H.
Slayter, Games
Waggoner, J. H.

New Concord
Martin, Paul E.
Shear, Sidney K.

Oberlin
Taylor, L. W.
Tucker, Forrest G.

Oxford
Cox, Everett F.
Edwards, Ray L.

Tiffin
Stinchcomb, G. A.

Toledo
Babcock, Clarence L.
Bowersox, Ralph B.
Carley, Glenn R.
Crites, James E.
Dunipace, Donald W.
Hopfield, Helen S.
Hopfield, John J.
Osgood, Thomas H.
Plummer, J. H.
Shadduck, Hugh A.
Turin, John J.

Warren
Rundlett, Thurman L.

Wooster
Westhafer, William R.

Yellow Springs
Albers, Vernon M.
Knorr, Harry V.
Owen, Gwilym E.

Youngstown
Goss, Norman P.

OKLAHOMA—30

Bartlesville
Crawford, F. W.
Doan, Richard L.
Piety, R. G.

Enid
Knowles, Frank E.

Norman
Coles, Donald K.
Dodge, H. L.
Evans, J. F.
Hemmendinger, Arthur
Nielsen, J. Rud
Roys, Harvey C.
Schriever, William
Van Lear, George A., Jr.
Whitmer, Charles A.

Stillwater
Roth, Herman M.

Tahlequah
Watson, Tully F.

Tulsa
Bruce, W. A.
Bryan, Andrew B.
Fay, Charles H.
Hayward, J. T.
Janco, Nathan
McNatt, E. M.
Neufeld, Jacob
Peters, Leo J.
Ricker, Norman
Sharpe, J. A.
Smith, Noyes D.
Weatherby, Benjamin B.
West, Stewart
Williams, Philip S.
Wolf, Alfred

OREGON—11

Corvallis
Brady, James J.
Weniger, W.
Yunker, Edwin A.

Eugene
Caswell, A. E.
Norris, Will V.
Starr, Merle A.

Forest Grove
Watson, Jesse R.

La Grande
Badgley, Ralph E.

Portland
Greene, Clarence W.
Knowlton, A. A.
O'Day, Marcus

PANAMA CANAL ZONE—1

Ancon
Tripp, W. A.

PENNSYLVANIA—307

Allentown
Zartman, I. F.

Altoona
Bartberger, Charles L.
Haverstick, Earl J.

Annville
Grimm, Samuel O.

Beaver Falls
McCormick, William W.

Bethlehem
Bayley, P. L.
Berger, Charles E.
Bidwell, Charles C.
Buerschaper, Robert A.
Carwile, Preston B.
Frey, Austin R.
Hersey, J. B.
Hoyler, Cyril N.
Lanterman, William S., Jr.
Larkin, Charles R.
Petersen, Max H.
Scott, F. A.
Snavely, Benjamin L.

Bryn Mawr
Cox, Martha
Jupnik, Helen
Michels, Walter C.
Patterson, A. L.
Rolf, Pauline

Bucks County
Clark, Bertha M.

Butler
Turnbull, John C.

Carlisle
Parlin, Wellington A.

Chambersburg
Weeks, Dorothy W.

Clifton Heights
Barnes, George W., Jr.

Collegeville
Mauchly, John W.

Crafton
George, Henry H.

Dalton
Radle, William

Drexel Hill
Miller, Park H., Jr.

Duquesne
Larys, B.

Easton
Balderston, Mark
Fink, George A.
Gordon, C. McCheyne
McQuarrie, W. C.
Page, Chester H.
Steele, F. A.

Elizabethtown
Hill, Donald M.

Emporium
Bowie, R. M.
Dehlinger, Walter H.
Huntoon, R. D.
Kievit, Ben
Parsons, S. L.

Erie
Croup, Alfred H.
Samson, Edward W.

Forest Hills
Wells, William H.

Gettysburg
Miller, George R.

Glenside
Bohn, J. Lloyd

Grove City
Perkins, J. R., Jr.
Smith, Russell P.

Haverford
Palmer, Frederic, Jr.
Sutton, Richard M.

Hulmeville
Bartoe, Willard

Jeanette
Bishop, F. L., Jr.

Jenkintown
Clark, William R.
Gilroy, Helen T.

Johnstown
Trytten, Merriam H.

Lancaster
Bennett, William O., Jr.
Charles, Rollin L.
Fry, Howard M.
Luckey, George P.
Owens, James S.
Robinson, Howard A.
Wenrich, Calvin N.

Lansdowne
Duncan, Ralph W.

Latrobe
Brinker, Bernard L.

Lewisburg
Lowry, W. Norwood
Matsen, F. Albert
Simpson, F. M.

Mansfield
Steele, Paul J.

Meadville
Green, Louis C.
Ufford, C. W.

Mechanicsburg
Strong, William W.

New Kensington
Anderson, Scott

New Wilmington
Moorhead, John G.
Swindler, James A.

Northampton
Solt, Irvin H.

Palmerton
Brubaker, D. Gordon
Stutz, George F. A., Jr.
Waring, Robert K.
Wilson, Thomas C.

Philadelphia
Adams, C. A.
Bagg, Thomas C.
Bamford, Harry S.
Barker, Harold C.
Barnes, James
Bayley, D. S.
Biddle, James G.
Bond, Donald S.
Brice, Brooks A.
Carter, Elbert P.
Chambers, Carl C.
Chance, Britton
Chaney, Newcomb K.
Cornog, I. Clyde
Dike, Paul H.
Feldman, William
Fleisher, Willis
Goodspeed, Arthur W.
Greenland, Miles G.
Guzik, N. J.
Hall, Clarence A.
Harnwell, G. P.
Harrison, T. R.
Herman, Robert C.
Hofstadter, Robert
Hudson, Colin M.
Huntington, Hillard B.
Jensen, Arthur S.
Kabakjian, D. H.
Kern, James W.
Klapman, S. J.
Koehler, James S.
Lawson, Andrew W., Jr.
Lay, John T.

Philadelphia con't.
Leeds, M. E.
Machler, Raymond C.
Morgan, Raymond
Nutting, Floyd L.
Parnell, Else
Payne, J. Fred, Jr.
Pearson, J. M.
Pender, Harold
Peters, J. Clarence
Plesset, E. H.
Raines, Arnold
Raines, Barbara
Rajchman, Jan A.
Redding, C. S.
Richards, Horace C.
Rolnick, Harry A.
Roop, Robert W.
Sampson, John B.
Schiff, L. I.
Schimmel, Herbert
Seidl, Frederick G. F.
Seitz, Frederick
Shrader, James E.
Smith, George A.
Smith, Herschel
Stein, I. Melville
Summers, R. D.
Tappert, John G.
Trawick, M. Whitford
Tynan, John W.
Van Horne, William S.
Waldie, Alma T.
Weatherwax, James L.
Williams, Albert J., Jr.
Witmer, Enos E.

Pittsburgh
Andrews, W. Alan
Arnquist, W. N.
Bacon, James F.
Bain, Edgar C.
Barrett, Charles S.
Behar, M. F.
Bishop, Frederic L.
Blackwood, O.
Boreman, Robert W.
Boyer, Robert L.
Brandt, Weldon H.
Brown, Frederick W.
Burgwin, Stephen L.
Butler, Mark D.
Carnvale, Anthony
Cassen, Benedict
Chubb, L. W.
Clark, Harold T.
Claus, Walter D.
Condon, Edward U.
Crist, Philip W.
Davis, George E.
Devol, Lee
Dobrin, Milton B.
Dowling, Philip H.
Dysart, Paul M.
Eckhardt, E. A.
Elkins, Thomas A.
Emberson, Richard M.
Estermann, Immanuel
Feicht, Florence L.
Foote, Paul D.
Gardner, L. W.
Garland, Daniel L.
Gay, Malcolm W.
Gray, Robert B.
Greenslade, Grover R.
Halliday, David
Hammer, Sigmund I.
Hill, Charles F.
Hill, Lawrence R.
Hipple, J. A., Jr.
Hower, H. S.
Hutchisson, Elmer
Keyes, Kenneth E.
Kruper, Andrew P.
Letner, Harold R.
Lewis, Bernard
Manning, Millard F.
Miller, K. J.
Morgan, Frank
Mortlock, Frank O.
Muskat, Morris
Nettleton, L. L.
Nielsen, Russell A.
Oplinger, Kirk A.
Oshry, Howard I.
Penney, Gaylord W.
Perkins, Beauregard, Jr.
Prine, Charles W.
Pugh, Emerson M.
Rast, William L.
Read, Thomas A.
Ritzmann, Otto F.
Sauer, John A.
Schwertz, F. A.
Seifert, Howard S.
Shoupp, W. E.
Sidhu, Surain S.
Siegel, Sidney L.
Simmons, S. J.
Slepian, Joseph J.
Smith, Charles S., Jr.
Spooner, Thomas
Stallmann, Frederick W.
Stern, O.
Taylerson, Ewart S.
Tillotson, E. Ward
Uleman, Turrell
Warga, Mary E.
Wilson, Earl D.
Wilson, Thomas A.
Worthing, A. G.
Wyckoff, Ralph D.
Yensen, Trygve D.
Young, Lloyd A.

Reading
Post, Carl B.

St. Marys
Shobert, Erle I., II

Scranton
Harper, Joseph P.

Selinsgrove
Ovrebo, Paul J.

Simpson
Tarris, Demetrius

State College
Bennett, Frederick D.
Bordner, Earl R.
Cleveland, E. Lynn
Davey, Wheeler P.
DeVore, Lloyd T.
Dow, R. B.
Duncan, David C.
Gibbons, John J.
Ham, William R.
Hardy, Howard C.
Knerr, H. W.
Pielemeier, W. H.
Rank, D. H.
Scott, Merit
Scott, Robert W.
Smith, F. Raymond
Spremulli, Paul
Todd, F. C.
Torrey, Henry C.
Townes, Charles H.
Veith, Franz S.
Webb, Wayne
Weber, Robert L.
White, Marsh W.
Wright, Howard

Swarthmore
Danforth, William E.
Elmore, W. C.
Garrett, Milan W.
Hudspeth, Emmett
Johnson, Thomas H.
Korff, S. A.
Pike, Eugene W.
Pomerantz, Martin A.
Rose, Morris E.
Shutt, Ralph P.
Swann, W. F. G.
Weisz, Paul
Wright, Winthrop R.

Swissvale
Grondahl, L. O.
Johnson, Paul S.

Towanda
Merrill, John B.

Tunkhannock
Glasser, Leo G.

Upper Darby
Driscoll, W. G.
Galli-Shohat, N.
Hoyt, John E.
Huff, Thomas E.
Wehr, M. R.

Verona
Swartz, Charles A.

Villanova
Crawford, John H.
Drenick, Rudolf

Wallingford
Bazzoni, Charles B.

Washington
Bell, Raymond M.
Pietenpol, C. J.

Wayne
Cope, Thomas D.

West Chester
McCorkle, Paul

Wilkes-Barre
Bernhart, Arthur
Hall, Voris B.

Wilkinsburg
Brubaker, Wilson M.
Mason, R. C.
Skinner, C. E.
Toepfer, Adolph H.
Westphal, Raymond C.

Yeadon
LeGalley, Donald P.

PHILIPPINE ISLANDS—1

Manila
Deppermann, Charles E.

PUERTO RICO—2

Rio Piedras
Kenrick, Gleason W.

San German
Smith, Newell H.

RHODE ISLAND—17

East Greenwich
Andrews, Howard L.

Kingston
Coggins, C. L.
Guthrie, A. N.

Newport
Eppley, Marion
Greenlaw, Frank M.
Stone, Albert M.

Providence
Farnsworth, H. E.
Haynes, Sherwood K.
Kraus, Charles A.
Lindsay, R. B.
Markham, Jordan J.
Miller, Carl W.
Pepinsky, Raymond
Quirk, Arthur L.
Saxl, Erwin J.

Rumford
Harris, Wilbur

West Warwick
Brant, Laura

SOUTH CAROLINA—11

Charleston
Bushkovitch, Alexander V.
Comstock, George C.
Hanson, Alvin W.
Mitchell, H. Rees
Smith, N. F.
Taft, Robert B.

Clemson
Hendricks, Jesse C.
Huff, Lorenz D.

Clinton
Whitelaw, Neill G.

Columbia
Mercer, Charles F.

Greenville
Craven, C. J.

SOUTH DAKOTA—4

Brookings
Reinhart, Raymond E.

Rapid City
Potter, James G.
Sheppard, Charles W.

Vermillion
Jordan, Walter H.

TENNESSEE—22

Bristol
White, James W.

Chattanooga
Woods, R. M.

Cookeville
Dicus, A. W.

Harrogate
Western, Forrest

Jefferson City
Formwalt, John M.

Knoxville
Hertel, K. L.
Nielsen, Alvin H.
Pollard, W. G.
Sullivan, R. R.
Way, Katharine

Martin
Bryant, Carroll W.

Maryville
Walker, E. R.

Memphis
de Launay, Jules
Jordan, Walter E.
Rhodes, Peyton N.

Nashville
Delbrück, Max
Fountain, C. R.
Imes, Elmer S.
Rudnick, Philip
Slack, Francis G.
Underwood, Newton

Sewanee
Petry, Robert L.

TEXAS—88

Abilene
Olsen, Julius

Amarillo
Burnett, Marion E.
Schuchard, Earl A.

Austin
Boner, Charles P.
Brown, S. Leroy
Colby, Malcolm Y.
Graves, Alvin C.
Kuehne, John M.
LaCoste, Lucien J. B.
Lockenvitz, Arthur E.
Romberg, Arnold
Wannier, Gregory H.

Beaumont
Anderson, Wilmer C.
Ellis, L. G.
Richert, Bernhard E.
Sawyer, James H.

Belton
Gordy, Walter

Bryan
Randall, Charles A.

College Station
McCorkle, W. H.
Morgan, Joseph
Schoepfle, George K.
Silvey, O. W.
Smith, Elmer G.
Stebbins, Dean W.
Weekes, Donald F.

Dallas
Clark, Charles L.
Karcher, J. C.
McClure, C. D.
McDermott, Eugene
McDonald, Frank C.
Minton, John P.
Shugart, Thomas R.

Fort Worth
Barton, Hugh M., Jr.
Gaines, Newton
Harris, Sidon

Freer
Segesman, Francis F.

Houston
Banta, H. E.
Bennett, William E.
Blau, L. W.
Bonner, T. W.
Crary, Albert P.
Evjen, Haakon M.
Froesch, Alex
Heaps, C. W.
Herzog, Gerhard
Houston, Charles E.
Howell, Lynn G.
Hughes, Darrell S.
Hurst, William
Jackson, Oscar B.
Kannenstine, Fabian M.
Kean, C. H.
Lamb, George B.
MacMahon, Andrew M.
Mandeville, Charles E.
McCollum, Elton V.
Miller, Robert D.
Mott-Smith, Lewis M.
Muzzey, David S., Jr.
Neuman, L. J.
Newman, L. L., Jr.
Peacock, H. B.
Rollefson, Aimar H.
Rosaire, E. E.
Rust, William M., Jr.
Siegert, Arnold J. F.
Smith, E. Howard
Statham, Louis
Steward, Wendell B.
Taylor, Josiah
Terry, Melvin C.
Watt, Bob E.
Wilson, Harold A.
Wolf, Alexander

Lubbock
Abbitt, William H.
Cross, J. Hollie
George, Enoch F.
Hill, Harry
Schmidt, C. C.

San Antonio
Donovan, Cerda L.
Hill, Sister M. Laetitia
O'Byrne, Sister Michael E.
Parr, J. O., Jr.
Paulin, Eugene A.

Waco
Spencer, Sam R.
Tatum, G. R.

Waxahachie
Kennedy, W. Jay
Morris, L. Tarver

UTAH—9

Logan
Gardner, Willard
Linford, Leo H.
Linford, Leon B.

Price
Hart, Philip J.

Provo
Eyring, Carl F.
Marshall, Milton

Salt Lake City
Parmley, Thomas J.
Plumb, H. T.
Tugman, Orin

VERMONT—8

Bennington
Perry, Thomas

Burlington
Allen, Hubert W.
Holmes, R. M.

Ludlow
Thompson, Harry C.

Middlebury
Bryant, Ernest C.
Wissler, Benjamin F.

Northfield
Howes, Douglas E.

Poultney
Mingins, Charles R.

VIRGINIA—73

Alexandria
Nugent, Robert G.
Steinberger, R. L.

Arlington
Focke, Alfred B.
McCarthy, Francis W.
Packer, Donald M.
Richtmyer, Robert D.
White, Gladys

Ashland
Keeble, W. H.

Blacksburg
Lee, Claudius
McCay, Myron S.
Robeson, Frank L.

Buckroe Beach
Williams, David T.

Charlottesville
Barnes, James C.
Beams, Jesse W.
Brown, Frederick L.
Chiles, James A., Jr.
Fox, R. E.
Ham, William T.
Holmes, Frederick T.
Hoxton, Llewellyn G.
Hutter, Edwin C.
Masket, A. Victor
Mitchell, Ferdinand H.
Reisner, John H.
Snoddy, Leland B.
Southall, James P. C.
Sparrow, Carroll M.
Stauffacher, Arthur L.

Dahlgren
Hershey, Allen V.
Loeb, Leonard M.
Riffolt, Nils
Stoner, Donald W.
Thompson, Louis

East Falls Church
Fishel, Vinton C.

Ettrick
Hunter, J. M.

Falls Church
Castleman, R. A., Jr.
Kinsley, Carl

Fort Belvoir
Liben, William

Hampden-Sydney
Gilmer, Thomas E.

Hampton
Benson, James M.
Brevoort, Maurice J.
Carroll, Kenneth G.
Coleman, Robert P.
Hicks, Bruce L.
Kaplan, Carl
Ribner, H. S.
Seidman, Oscar
Lipnick, Milton
Warshawsky, I.

Harrisonburg
Pittman, M. A.

Hollins College
Allen, Harriet W.
Farnsworth, Goldena

Hopewell
Fazel, C. S.

Langley Field
Galvin, Herman B.
Hootman, James A.
Tozier, Robert E.

Lexington
Campbell, Leslie L.
Heflin, S. M.
Trotter, Herbert, Jr.

Lynchburg
Boggs, N. Isabel
Elder, Joseph D.
Kilby, Clinton M.

Newport News
Dietrich, J. R.
Thomas, D. Boyd

Richmond
Chappell, R. R.
Lampson, Curtis W.
Loving, Robert E.
Zottu, Paul D.

South Richmond
Townes, William D.

Sweet Briar
Edwards, Preston H.

Williamsburg
Kirkham, Don
Merrymon, W. Walter
Young, Roscoe C.

VIRGIN ISLANDS—1

St. Thomas
Lilienfeld, J. E.

WASHINGTON—42

Bremerton
Witters, Juanita

Cheney
Dahlstrom, Robert K.

College Place
Kretschmar, George G.

Lacey
Rozycki, Henry J.

McChord Field
Hale, Donald H.

Parkland
Jordahl, Olaf M.

Pullman
Anderson, Paul A.
Fitzsimmons, K. E.
Stephenson, S. T.
Weller, Royal
Zener, Clarence

Seattle
Anthony, Lucius
Brakel, Henry L.
Carlson, Phillip R.
Fluharty, Rex G.
Gast, Paul F.
Harding, John M.
Henderson, Joseph E.
Hill, Freeman K.
Humphreys, Ivan
Kenworthy, Ray W.
Kikuchi, Chihiro
Loughridge, Donald H.
Magnusson, C. E.
Martinez, Karl
Millican, Francis M.
Moore, William H., Jr.
Osborn, Frederick A.
Parker, Herbert M.
Peacock, Wendell C.
Rhoten, Rex R.
Ross, Frederick W.
Seaman, Donna J.
Sieg, L. P.
Smith, Louis E., Jr.
Uehling, Edwin A.
Utterback, Clinton L.
Wilson, Raymond E

Spokane
Altman, Francis J.
Frese, Verne

Vaughn
Barkas, Walter H.

Walla Walla
Zimmerman, Carroll L.

WEST VIRGINIA—9

Charleston
Roller, P. E.

Huntington
Lagemann, Robert T.

Morgantown
Arnett, Henry D.
Colwell, Robert C.
Forman, Alexander H.
Molby, Fred A.
Thomas, Charles D.
White, John E.

South Charleston
Hosterman, Ralph C.

WISCONSIN—64

Appleton
Davis, Myrl N.
Gilbert, W. P.
Nolan, Philip
Roehr, Walter W.
Sears, G. R.
Van den Akker, J. A.

Baraboo
Rinkob, Severn

Beloit
Robertson, A. F.

Green Bay
Plott, Robert F.

La Crosse
Spangler, Ross D.

Madison
Ashby, Robert M.
Benedict, Donald L.
Bennett, Edward
Burling, Richard L.
Christison, Frances L.
Crane, Neal D.
Darling, B. T.
Dillinger, Joseph R.
Field, Beulah
Friedman, Francis L.
Hammer, Clarence
Hanson, Alfred O.
Havens, R. J.
Hewlett, Mary S.
Hirschfelder, Joseph O.
Hush, James M.
Ingersoll, Leonard R.
Jarvis, George A.
Kalmbach, Sydney
Laird, Harold R.
Mack, Julian E.
Maxfield, Frederick A.
McKibben, J. L.
Miller, Edward E.
Murrell, T. A.
Ragan, George L.
Roebuck, John R.
Rollefson, Ragnar
Stebbins, Joel
Steve, William F.
Stout, Harold L.
Taschek, Richard
Wahlin, H. B.
Winans, John G.
Youngblood, John

Milwaukee
Anderson, Elda E.
Carroll, Joseph F.
Douglas, J. F. H.
Eckels, Charles K.
Friauf, James B.
Garbuny, Max
Martin, Miles J.
Murray, Sister Mary S.
Rouse, T. A.
Skinner, Charles H.

Niagara
Malmstrom, Homer E.

Norwalk
Patterson, Chalmer N.

Oshkosh
Clemans, Earl A.
Duncan, James F.

Ripon
Barber, W. Harley
Whiting, Bertine A.

Superior
Schrieber, E. H.

Waukesha
Batha, V. P.

West De Pere
DeCleene, L. A. V.

WYOMING—4

Cheyenne
Warner, Marvin C.

Lamont
Bellamy, B. C.

Laramie
Cinnamon, Carl A.
Hammond, Philo F.

FOREIGN

ARGENTINA—3

Cernuschi, Felix
Gaviola, Enrique
Magliano, Hilario

AUSTRALIA—1

Hill, Robert D.

BELGIUM—3

Bouckaert, Louis P.
deHemptinne, Marc
Delfosse, J. M.

BRAZIL—2

Gross, Bernhard
Wataghin, Gleb

CHINA—16

Band, William
Bien, Richard P.
Chang, W. Y.
Chang, Z. T.
Chao, S. H.
Chu, Djen-Yuen
Hu, Kang-Fuh
Knipp, A. R.
Ku, Zing Whai
Kuo, I. C.
Kwei, Chi-Ting
Lee, John Y.
Sheng, Hsi-yin
Tu, Yuching
Wang, J. S.
Wu, Violet

COLOMBIA—1

Ramirez, J. Emilio

DENMARK—3

Bjerge, T.
Bohr, Niels
O'Donnell, T. J.

ENGLAND—55

Allibone, Thomas E.
Blackett, P. M. S.
Bowden, B. V.
Bragg, Sir William
Bretscher, E.
Carmichael, Hugh
Chalmers, Thomas A.
Chapman, Sydney
Cockcroft, J. D.
Conn, George K. T.
Curtis, William E.
Darwin, Charles G.
Daunt, John G.
Dee, P. I.
Dobson, Gordon M. B.
Dymond, E. Gilbert
Ellis, C. Drummond
Eve, A. S.
Fowler, Ralph H.
Frisch, O. R.
Gilbert, Charles W.
Jones, Harry
Jukes, J. A.
Keeley, T. C.
Kemmer, Nikolai
Kempton, A. E.
Kinsey, Bernard B.
Krishnan, R. S.
Kuhn, H.
Kynch, G. J.
Latham, Robert
Lennard-Jones, J. E.
Lewis, W. Bennett
Lovell, A. C. B.
Lowater, Frances
Ma, S. T.
Mann, W. B.
Meek, J. M.
Palmer, L. S.
Paneth, F. A.
Pearse, R. W. B.
Penney, W. G.
Price, William C.
Pryce, Maurice H. L.
Richardson, Sir Owen W.
Roy, Angus S.
Simon, Franz
Sproule, D. O.
Strachan, Charles
Sugden, S.
Sutherland, Gordon B. B. M.
Tuck, James L.
Williams, W. Ewart
Wilson, John G.
Wu, C. K.

FINLAND—1

Grönblom, Berndt O.

FRANCE—14

Canac, François
de Broglie, M. le Duc
Dejardin, Georges
Dubois, Emmanuel
du Nouy, P. Lecomte
Joliot, F.
Kastler, A.
Morand, Max
Nahmias, Maurice E.
Parodi, H.
Ricard, R.
Sagui, Cornelio L.
Thovert, Jean-François
von Halban, Hans

GERMANY—12

Benndorf, Hans
Dehlinger, Ulrich
Eckstein, Ludwig
Eucken, Arnold
Finkelnburg, Wolfgang
Möglich, Friedrich
Planck, Max
Schön, Michae
Sixtus, K. J.
Thirring, Hans
von Laue, Max
Weizel, Walter

HOLLAND—18

Bakker, C. J.
Brinkman, H.
Clay, Jacob
Coster, Dirk
deGroot, Willem
Ittmann, George P.
Kramers, H. A.
Kronig, R. deL.
Michaels, A. M. J. F.
Milatz, J. M. W.
Prins, J. A.
Sizoo, G. J.
Ter Horst, Th. J.
van Cittert, Pieter H.
van der Veen, J. H.
van der Ziel, Aldert
Van Wijk, W. R.
Wiersma, E. C.

INDIA—8

Benade, James M.
Bhabha, H. J.
Gill, Piara S.
Naidu, R.
Raman, Sir C. V.
Sharma, R. K.
Smith, Dwight O.
Sundarachar, C. K.

IRAN—1

Djanab, Kamal

IRELAND—8

Ditchburn, Robert W.
Emeleus, Karl G.
Ewald, P. P.
Hackett, Felix E.
McFadden, Thomas
McNeill, Donald B.
Schrödinger, E.
Walton, Ernest T. S.

ITALY—4

Amaldi, Edoardo
Cacciapuoti, B. N.
Rostagni, A.
Wick, Gian C.

JAPAN—112

Abe, Mutsusuke
Amaki, Tosio
Aoki, Hiroo
Ariyama, Kanetaka
Ariyama, Kyozo
Asada, Tsunesaburo
Asao, S.
Hai, Zaimoku
Hamada, S.
Hasunuma, Hirosi
Hayakawa, Goro
Horie, Tadao
Horiuti, Juro
Hukusima, Hirosi
Ikeda, Yoshiro
Imahori, Hiromi
Imanishi, Sunao
Imaoka, Yoshio
Inuzuka, H.
Issiki, Teizo
Itoh, Junkichi
Iwata, Giiti
Kagawa, Toyohiko
Kakinuma, Usaku
Kakiuchi, Yoshinobu
Kamogawa, Hirosi
Kimura, Motoharu
Kiuti, Masazo
Koana, Zyun
Kobayasi, Akio
Kobayasi, Atusi
Kobayasi, Minoru
Koga, Issac
Kondo, Kenzi
Kotani, Masao
Kubo, Tosihiko
Kubota, Hiroshi
Kusakabe, Satoshi
Miduno, Zen'emon
Miki, Tadao
Minakawa, Osamu
Miyake, Shizuo
Miyamoto, Goro
Momota, Teruo
Murakawa, Kiyoshi
Muraoka, Keizo
Nagase, Masahumi
Nakagawa, Shigeo
Nagaoka, Hantaro
Nishi, T.
Nishida, Sotohiko
Nishikawa, Shoji
Nishina, Yoshio
Nogami, M.
Noguchi, Koju
Nonaka, Itaru
Ochiai, Kiichiro
Odajima, Shuzo
Ogata, Koreiti
Ogura, Kinnosuke
Ohmata, Hidesuke
Ohno, Saizo
Okaya, Tokiharu
Okayama, Taisuke
Onda, Sikizi
Ono, Mituo
Ono, Suminosuke
Oshima, K.
Otake, G.
Ozaki, Shoji
Sagane, R.
Sakata, Shoichi
Sawada, Masao
Shimizu, Takeo
Shinohara, Kenichi
Shinomiya, T.
Shirai, Shunji
Sinma, Keizo
So, M.
Sogawa, A.
Sugeno, Takesi
Sugimoto, Asao
Sugita, Motoyosi
Sugiura, Yoshikatsu
Suzuki, H.
Tachihara, Yoshihiko
Tajima, Eizo
Tajime, Ryozo
Takeda, Eiiti
Taketani, Mitsuo
Takizawa, Susumu
Tamaki, Hidehiko
Tamura, Matsuhei
Tamura, Tikawa
Tanaka, Masamachi
Tanaka, Tutomu
Tasiro, Yosiro
Todani, Shozo
Tomonaga, S.
Toya, Ryohei
Tsubota, Hiroshi
Ueno, Sigeo
Uyeda, Ryozi
Watase, Yuzuru
Yagi, Hidetsugu
Yamada, Hikoji
Yamaguchi, Seitaro
Yamamoto, Hideo
Yamasaki, Fumio
Yasaki, Tameichi
Yoshinaga, Hiroshi
Yukawa, Hideki

KOREA—1

Toh, S. R.

MANCHUKUO—1

Ariyama, Kyozo

MEXICO—1

Banos, Alfredo, Jr.

NORWAY—1

Bjerknes, V.

POLAND—3

Kalandyk, S.
Loria, Stanislau
Peczalski, T.

SCOTLAND—4

Carroll, John A.
Coulson, Charles A.
Foster, Glyn W. A.
Taylor, A. Maurice

SOCIETY ISLANDS—1

Smith, Harrison W.

SOUTH AFRICA—5

Clarke, C. Fred
de Wet, Jacobus
Naude, S. M.
van der Bijl, H. J.
Zanstra, H.

SWEDEN—6

Benedicks, Carl A. F.
Borelius, C. O. Gudmund
Meitner, Lisa
Norinder, Harald E.
Rudberg, Erik G.
Siegbahn, Manne

SWITZERLAND—15

Bär, Richard
Busch, Georg
Dubs, Werner R.
Frey, Bernhard
Hagenbach, August
Huber, Paul K.
Jauch, Josef M.
Mueller, J. H.
Preiswerk, Peter
Rusterholz, A. A.
Sänger, R.
Scherrer, P.
Stueckelberg, Ernest C. G.
Wehrli, Max
Weigle, Jean J.

SYRIA—2

Antippa, Fadil G.
Brown, J. A.

TURKEY—2

Collins, Gyfford D.
Kimball, William S.

U. S. S. R.—4

Anjour, H.
Frenkel, J.
Joffe, A.
Kapitza, P.

VENEZUELA—3

Boots, Paul H.
Krack, Elmer J.
MacPhail, Malcolm R.